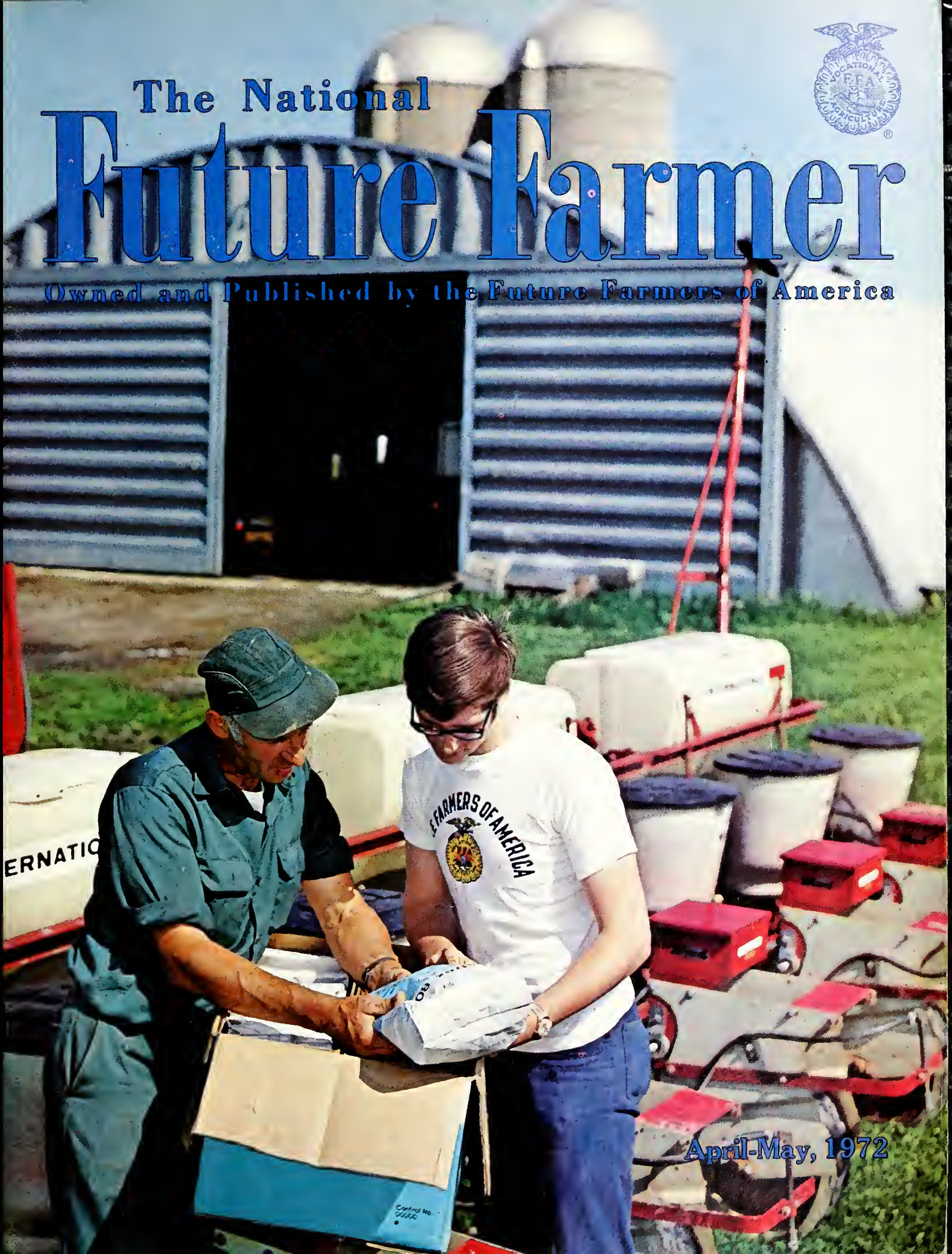
The National Future Farmer

Owned and Published by the Future Farmers of America



April-May, 1972

A PERSONAL NOTE FROM THE PRESIDENT OF BOB JONES UNIVERSITY

BOB JONES University GREENVILLE, SOUTH CAROLINA • 29614

EXECUTIVE OFFICES

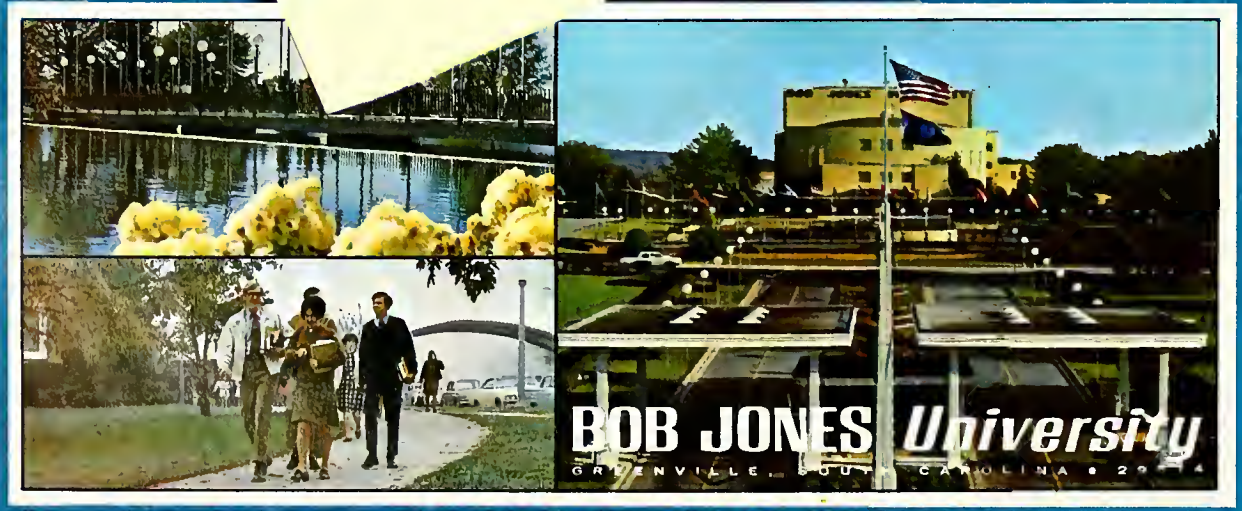
Dear Friends,

God has demonstrated that He has a special purpose for Bob Jones University and a Holy Calling. Those of us entrusted with this ministry are instruments of imperfect clay; but if we know our hearts we have a perfect confidence in Him who doeth all things well.

Entrusted as we are with the lives of thousands of young people to train for the Lord's service, anything short of the best we can do for them is a sin against our students and their loved ones who sacrifice to send them to Bob Jones University. Because of the sacred trust we bear, the prayers of God's people on our behalf are earnestly coveted.

Sincerely,

Bob Jones III



Music, speech, and art without additional cost above regular academic tuition. Graduate Schools of Religion and Fine Arts, Institute of Christian Service, high school and elementary school in connection.

Stands without apology for the "old-time religion" and the absolute authority of the Bible.

"World's Most Unusual University"

The National
Future Farmer

VOLUME 20 NUMBER 4 APRIL-MAY 1972

Departments

Mailbag	4	Chapter Scoop	32
Looking Ahead	6	Something New	41
Agri-Careers	28	Joke Page	42

Agri-Emphasis: Livestock

Beef Breeding Evaluation 14 Model Dairying 16

Hog Parlor For Over 1,000 18

Other Features

FFA Alumni To Meet	10	Agricultural Outlook 72	22
Your FFA Ambassadors	11	Helping Wildlife	24
Youth With A Purpose	12	Ultralight, The Fun Tackle	30
Weldon Project Well Done	20	Finding A Summer Job	34
Agricultural Mechanics	22	FFA In Action	36

Our Cover

Following the directions printed on agricultural chemicals and plant foods is very important. Preparing to fill the corn planter with herbicide are Rick Brill, a Wellington, Ohio, FFA member, and his father Kenneth. Rick and his brother-in-law Melvin Beall are members of the family corporation farm headed by Rick's father. Rick served as chapter president under direction of Advisor Mike Kiehl.

Photo by Ralph Woodin

MAGAZINE STAFF
Editor, Wilson W. Carnes; *Associate Editors*, John M. Pitzer, Ronald A. Miller; *Editorial Assistants*, Twila Renirie, Patricia Martin; *Circulation Assistants*, Norma Salvatore, Dorothy Hacker, Adriana Stagg; *Promotion Assistant*, Michael Winter; *Advertising Manager*, Glenn D. Luedke; *Regional Advertising Manager*, Duane Leach; *Regional Advertising Manager*, Richard A. Wright; *Advertising Assistant*, Laurie Welch.

NATIONAL OFFICERS
National President, Tim Burke; *National Secretary*, Dennis Sargent; *National Vice Presidents*, Philip Johnson, Kevin Hall, Clifford Saylor, Sammy Peebles.

BOARD OF DIRECTORS
Chairman of the Board of Directors, National Advisor, H. N. Hunsicker; *Members of the Board*, J. L. Branch, James E. Dougan, H. E. Edwards, John W. Lacey, Harold L. Noakes, J. R. Peddicord, Byron F. Rawls, J. W. Warren.

NATIONAL STAFF
Executive Secretary, William Paul Gray; *National Treasurer*, J. M. Campbell; *Executive Director*, Edward J. Hawkins; *Controller*, V. Stanley Allen; *Associate Executive Secretary*, Coleman Harris; *Manager of International Programs*, Lennie Gamage; *Manager of Contests and Awards*, Robert Seefeldt; *Director of Information*, Daniel Reuwee; *Administrative Secretary of FFA Alumni Association*, Jay Benham.

The National FUTURE FARMER, member of Audit Bureau of Circulations.

ADVERTISING OFFICES
The National FUTURE FARMER
P.O. Box 15130
Alexandria, Virginia 22309 703-360-3600

Whaley-Simpson Company
6725 Sunset Boulevard
Los Angeles, California 90028 213-463-7157

580 Washington Street
San Francisco, California 94111 415-781-4583

CHANGE OF ADDRESS
Send both old and new addresses to Circulation Dept., *The National FUTURE FARMER*, P.O. Box 15130, Alexandria, Virginia 22309.

CORRESPONDENCE
Address all correspondence to: *The National FUTURE FARMER*, P.O. Box 15130, Alexandria, Virginia 22309. Offices are located at the National FFA Center on U.S. Route One, eight miles south of Alexandria.

The National FUTURE FARMER is published bimonthly by the Future Farmers of America at Alexandria, Virginia 22309. Second class postage paid at Alexandria, Virginia, and at additional mailing offices.
Copyright 1971 by the Future Farmers of America.
Single subscription, $1.00 per year in U.S. and possessions. Single copies, 20c. Foreign subscriptions, $1.60 plus 50c extra for postage.

FFA Honored

WE think it is interesting—if not significant—that FFA was among those invited to the White House to see President Nixon off when he left on his trip to China. The FFA organization and its members should feel honored. For whatever your personal opinions might be regarding the visit, I believe we will all agree that it was history in the making and by accepting the invitation, FFA had a part in it.

In addition to the several members of the FFA staff, members of the Noakesville, Virginia, and Gaithersburg, Maryland, FFA chapters represented the FFA.

National FFA Seminar

As we rush our last copy to the printer for this issue, over 100 state leaders in agricultural education and FFA are assembled in Washington, D.C. for a National FFA Seminar. This is the early stage of "Operation Update," a plan for improving the FFA which hopefully will reach every FFA chapter in the country.

The current trend is for all such meetings to have a theme and this one is no exception. The theme for this seminar is, "The New FFA—Relevant—Flexible."

The game plan is for these men to take back to their respective states the ideas and information they will glean from this conference for modernizing and improving the FFA. There, in a series of state and area meetings which will involve the local FFA advisor, procedures will be developed for updating the FFA. The total package should be a giant step forward in making FFA more relevant to the instructional program in vocational agriculture and more meaningful to the careers of students.

The FFA member viewpoint will be ably represented at the National FFA Seminar by your six National FFA Officers.

FFA Constitution Reviewed

The National FFA Board of Directors and National FFA Officers met as an Ad Hoc Committee January 23-25, for the purpose of reviewing the national constitution and bylaws. Recommended changes were acted upon at the regular meeting later that week and sent to the states with minutes of the Board meeting. These recommendations are to be studied and then acted upon by delegates to the National FFA Convention in Kansas City in October.

Wilson Carnes, **Editor**

DRAW ME CONTEST

5 Art Scholarships
and 100 Cash Prizes

Over $5000 in
prizes awarded
monthly

Draw the Pirate

Let "the Pirate" help you test your talent. You may win one of five $795.00 Commercial Art Scholarships or any one of one hundred $10.00 cash prizes!

Draw "the Pirate" any size except like a tracing. Use pencil. Every qualified entrant receives a free professional estimate of his art talent.

Scholarship winners get the complete home study course in commercial art taught by Art Instruction Schools, Inc., one of America's leading home study art schools.

Try for an art scholarship in advertising art, illustrating, cartooning and painting. Your entry will be judged in the month received but not later than May 31, 1972. Prizes awarded for best drawings of various subjects received from qualified entrants age 14 and over. One $25 cash award for the best drawing from entrants age 12 and 13. No drawings can be returned. Our students and professional artists not eligible. Contest winners will be notified. Send your entry today.

MAIL THIS COUPON TO ENTER CONTEST

ART INSTRUCTION SCHOOLS, INC.
Studio 2A-3540
500 South Fourth St., Minneapolis, Minn. 55415

Please enter my drawing in your monthly contest. (PLEASE PRINT)

Name_____

Occupation_____ Age_____

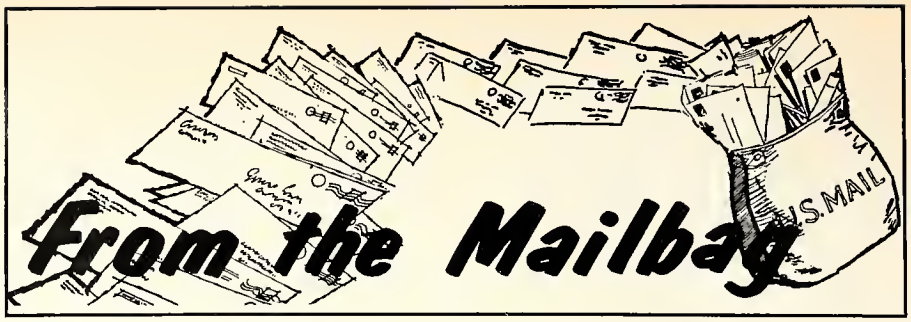
Address_____ Apt._____

City_____ State_____

County_____ Zip Code_____

Telephone Number_____

Accredited by the Accrediting Commission of the National Home Study Council.



Albin, Wyoming

Our chapter is awaiting National FFA WEEK along with many other chapters around the nation. Even though we try, sometimes professional help adds a little something.

We would appreciate it if you would send us some materials for publications and radio programs for FFA WEEK.

Dennis Anderson, Reporter

All chapters were sent How-to-do-it Idea Booklets which had sample radio scripts and news releases.—Ed.

Houston, Texas

The national FFA talent team from Milby Chapter has been very successful since winning the National Talent award.

These FFA'ers have been invited to play at banquets during the Houston Livestock Show. They performed at the San Antonio, Texas, Young Farmer Convention in January and received a standing ovation at the end of their performance.

They always get nice comments at convention and high school bookings.

Dave McCullough, Advisor

Cadillac, Michigan

Not too long ago, while visiting one of the larger banks in the area, I noticed the president of that bank had pushed aside the Wall Street Journal, three newspapers and a professional magazine, to read his new issue of *The National FUTURE FARMER* magazine.

In the past, as both a member and as an advisor, I have enjoyed your magazine.

Therefore, may I have a subscription, so that I might be more able to help tell the folks of the everhappening story of FFA.

Neal Feikema
Farm Director
WWAM/WWTV-FM

Sioux City, Iowa

I am presently employed at the Fourth Street Cafe. I have been a waitress off and on for 12 years or so, but I have never served a nicer group of young people than those attending the recent Future Farmers of America Convention.

Six other waitresses and I were working, and with the usual office and store employees and shoppers coming in, we were pretty busy. Added to these were the FFA boys. It was kind of hectic, but I have never waited on a nicer group of young men.

They all were so polite, patient, considerate, and courteous. They all were clean-shaven, had nicely trimmed hair, and were otherwise neat in their appearance. I never heard any abusive or vulger language or cursing.

We seem to hear so much bad about young people nowadays. It's a pleasure to find out there still are young people like these. I don't have enough praise for them.

Mrs. Diane Aspleaf

This item was first printed in the *Sioux City Journal* following the Iowa FFA Convention.—Ed.

He Loved FFA

I saw him the night before, at the FFA meeting. He was in cut-off shorts and a tank shirt. He had a good sun tan. I remember seeing him get up to discuss a motion. He had a bat in his hands as we had played a game of softball before the meeting. I remember his sly grin as he began to talk. His personality lit up the meeting room even more than "The Rising Sun" at the president's station. His vivacious personality was always present when he spoke.

I now remember when he recited the creed at our banquet. He was our creed contest winner. I remember his nervous grin as he began to recite. He was always grinning. He looked over the whole audience and the room was silent. He spoke shakedly and rapidly, but distinctively. Maybe I didn't know him as well as I could have. He was a freshman and I was a senior, but I respected him and liked his personality. He would have gone far.

And now, they say he is gone. My lip quivers as I write this. They say he died before he even reached the hospital. I remember him volunteering to help chop out the weeds in the FFA tobacco. Now they say that on the way home, from chopping out the tobacco, he and three other FFA members had met with one of those catastrophical accidents on the highway, which so many of us are lucky enough not to encounter. He is dead, another may die, and two are in serious condition. It all happens so quick. I only saw him the night before at the FFA meeting.

I want to make this tragedy known to other FFA members. Everyone says it can't happen to them, but it can. I remember him as a person that loved the FFA. He had just participated in an FFA activity when it happened. The calamity of the highway is unpredictable. Who knows when it will happen to them. A week before this catastrophy, I was in an accident. Safety on our highways can never be over emphasized. Tonight I will go to the funeral home, but he won't be the same; the grin will be missing.

Name Withheld by Request

All week long, Gary Paine stops vehicles with a computer.

He's working to put an improved vehicle on the American road. Not just for himself, but also for the future of his "Little Brother," Jon Henderson.

Big Brother Gary Paine is an engineer at the research laboratory of AC Spark Plug Division in Flint, Michigan. His current project, the Wheel Lock Control System, is part of GM's Engineering Safety Vehicle (ESV) program.

Gary is programming an analog computer (a device for simulating real situations on a wiring circuit) with actual vehicle braking conditions. Once wired, almost any driving condition may be duplicated and the effects measured.

In this way, he's working on braking system designs which under most conditions will further reduce vehicle stopping distances while improving vehicle stability and handling.

Gary and Jon are in the Big Brother program: a non-profit organization that matches fatherless boys with "Big Brothers"; then plans activities and encourages a close and lasting relationship.

For two years now,

he and Jon have been sharing part of their lives in such activities as camping, skiing, tobogganing, motorcycling, football games and—yes, a little schoolwork, too.

Gary Paine is a warm and generous person with genuine concern for others. He's an example of the kind of interesting people that make GM work.

GM
MARK OF EXCELLENCE

General Motors
Interesting people doing interesting things.

Sure, you can buy welders for less money...and for even more money...but YOU CAN'T GET A BETTER WELDER VALUE THAN A LINCOLN!

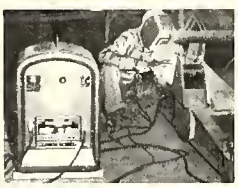
Lincoln Electric, the world's largest manufacturer of arc welding equipment, builds welders to industrial standards in high volume. You get these unbeatable values:

- **Longer life** . . . some Lincolns over 50 years old are still going strong.
- **Dependable service** . . . get the job done right, and fast, every time.
- **Easy to operate** . . . no spit, no sputter. Easy to start, easy to set controls.
- **Versatile** . . . weld sheet steel through heavy plate, cut, solder. Braze with the arc torch.
- **Safe** . . . built to conservative, industrial ratings.

COMPARE THESE VALUES

Only $95 (Zone 1 list) for this 225-amp shop welder. Complete with accessories, electrode kit, power cord, instruction book.

Air-cooled engine-driven Weldanpower®. Goes anywhere, welds anything. 130 amps AC for welding, plus auxiliary power for tools. Zone 1 list price $407.



Versatile, heavy-duty Idealarc® AC or AC/DC welder. Range 30-300 amps. Single phase. Zone 1 list price (AC/DC) $310.

(Suggested retail prices above are subject to change without notice. Optional features, taxes, local delivery and Zone 2 freight charges will alter these prices.)

MAIL COUPON FOR FREE LITERATURE

LINCOLN ELECTRIC

The Lincoln Electric Company
Dept. NF-3, Cleveland, Ohio 44117

I am interested in ☐ Weldanpower 130
☐ 225 AC shop welder ☐ Idealarc 250
☐ Send free copy of Pocket Welding Guide.

Name_____

Address_____

City_____State_____Zip_____

Looking Ahead

Livestock

BRUCELLOSIS ERADICATION—Secretary of Agriculture Earl Butz announced to a group of agricultural communicators in Washington, D.C. on February 24, that USDA is launching an intensified effort to complete the eradication of brucellosis by the end of 1975. This moves the program forward about five years. The benefits are many including $185 million savings in program costs alone. At present, 24 states and the Virgin Islands are certified as Brucellosis-Free. Sixteen more states have some certified counties. With eradication in livestock, the human brucellosis—sometimes called undulant fever—is also eliminated.

NEW JUDGING SYSTEM—The 1972 National Western Stock Show in Denver saw a new three-man judging system being tried for the first time by the American Angus Association. In it three men work independently and their placings are used to tabulate an official placing. The official placing is posted on a large scoreboard along with each judge's individual placing of the class.

VEE VACCINATION—Scientists at USDA's Animal and Plant Health Service believe Venezuelan equine encephalomyeli 's (VEE) may break out again and horse owners are urged to vaccinate. The 1972 campaign calls for the vaccination of all horses not vaccinated in 1971 in Texas, the Gulf Coast states, and states adjoining Mexico, all of which are now designated as "high risk" areas. A cooperative federal-state surveillance program is underway to reveal VEE activity in the high risk states.

Crops

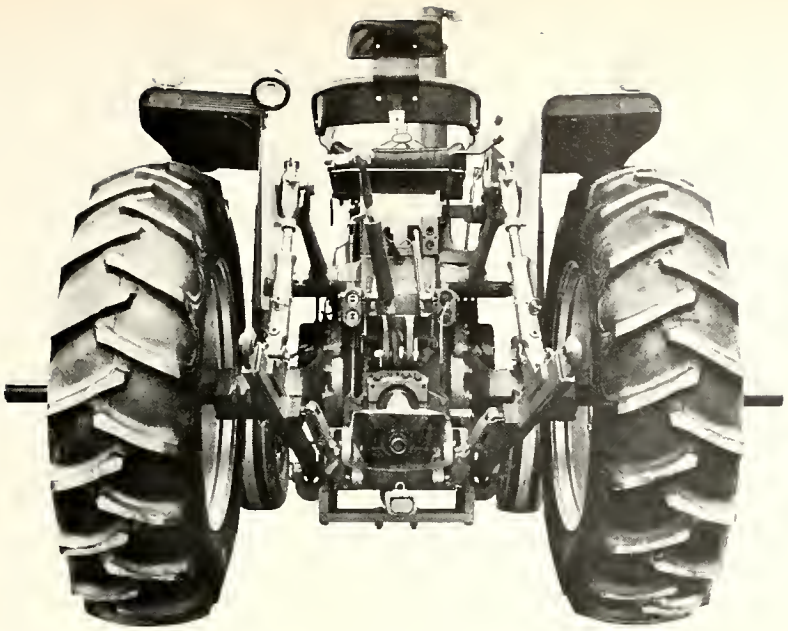
SEED BUYING—Farmers lose thousands of dollars each year by buying or planting low quality seed, according to Elmer Sanderson, extension agronomist at South Dakota State University. He says the most common reason for buying or planting inferior seed is lack of time in making the decision. Factors which should be considered when buying seed include variety, maturity, yield, disease resistance, seed quality, and market.

TRACES PESTICIDES—The fate of herbicides and their break-down products in plants and soil can be traced quickly and easily in the laboratory through use of the Beta Camera, according to Melvin L. Sutherland of Monsanto Company. Speaking to members of the Weed Science Society of America, Dr. Sutherland described use of the camera in following the absorption, translocation, and distribution paths of herbicides and their metabolites. Using radioactively treated material as in normal tracing procedures, the Beta Camera provides a quick evaluation of reactions while the actual experiment is being conducted without destruction of the experiment. Through the use of an electronic console the whole surface, or any part, can be observed. The picture produced permits quick tracing.

SEED GERMINATION—Electricity could prove to be a key that unlocks seeds with tough, water-proof coatings which prevent germination. Scientists have found that cottonseed with impermeable seedcoats can be easily germinated when exposed to an electric glow-discharge. Germination also improved when three varieties of alfalfa seed were exposed to radiofrequency dielectric heating, microwave heating, and hot air.

Recreation

LEISURE DEMANDS—Some startling statistics help spell out the growing demand for leisure education in community development. Karl Munson, a USDA program leader for recreation, reports that 90 percent of all Americans participate in some form of outdoor recreation and last year spent over $30 billion doing it. There are about 60 million hunters and fishermen in this country, close to another 40 million campers, and about 40 million boaters. Countless others go swimming, picnicking, bird watching, and hiking. One report predicts the requirement for recreational facilities will increase 40-fold by the year 2000.



The Firestone Field & Road Tractor Tire

Somebody may match what it costs. Nobody can match what it saves.

If you need to replace your worn-out tractor tires, remember there's more to buying a tire than price alone.

Lots of tires are priced right in there with our low-cost Field & Road™. But they can only save you money in the store. We can also save you money in the field.

Because Firestone tractor tires give you the extra value of 23° traction bars. It makes for a tire that just grabs hold sooner and pulls harder than other tires with higher bar angles.

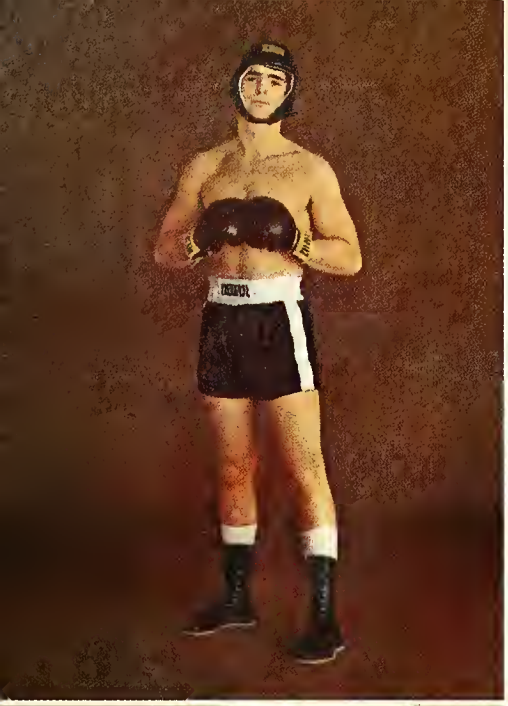
And that'll save you money. Fuel money. Man-hours money. Because you'll get the job done quicker.

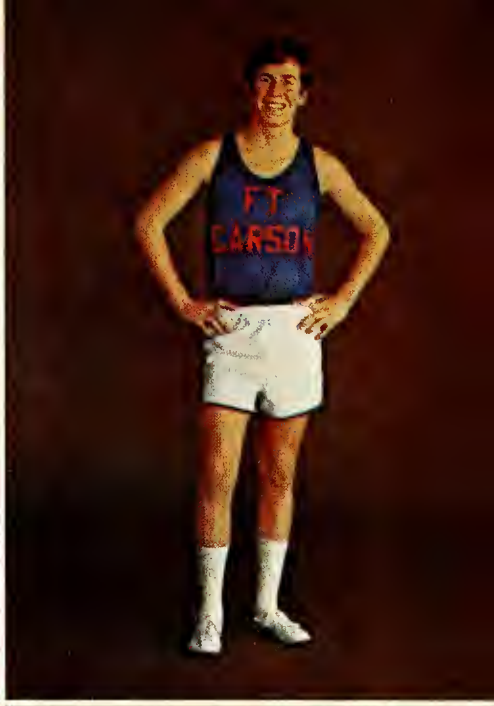
It's a tough tire, too. Firestone Sup-R-Tuf® rubber sees to that. You'll get long tread wear. And its Super-Strength body holds up against the rough work you'll give it.

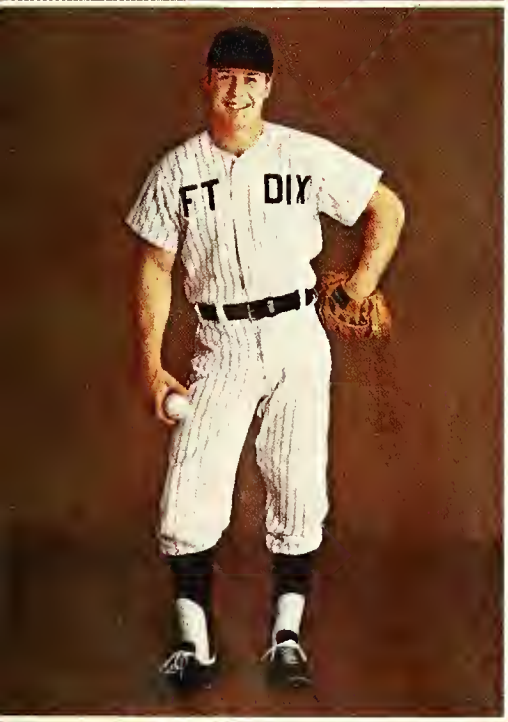
If you want a tractor tire that'll save you money, the Firestone Field & Road will.

Firestone

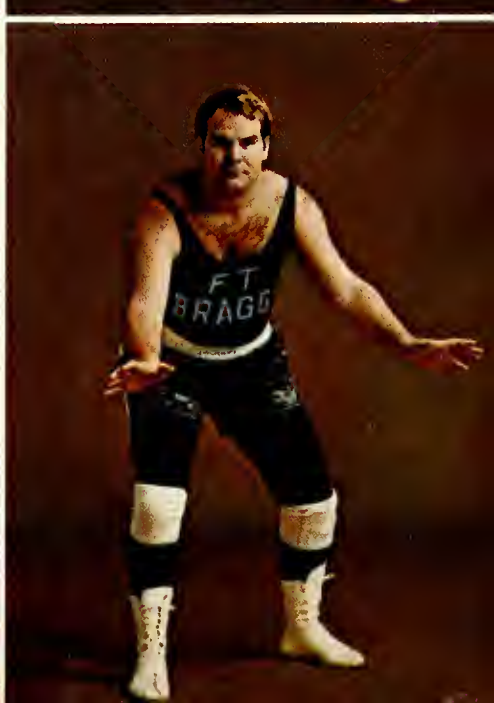
The original 23° traction tires




FT
CARSON


FT DIX

FT
ORD


FT
BRAGG

Try out for some of our uniforms.

Today's Army values athletes.

We value them because they hustle, they work, they understand teamwork, they accept responsibility, they have spirit and help make a better Army.

And today's athlete can develop in the Army. Because we have every sport imaginable. For every level of talent. In the finest playing facilities. With qualified head coaches, assistant coaches, trainers, equipment managers and all else that goes with a big-time sports program.

You can take your sport seriously. 14% of our 1968 Olympic team was Army.

Or you can hack around. A half-court game, shirts against the skins. With nets!

Today's athlete will like other things about the Army. The opportunity to learn a skill. A starting salary of $288 a month. All meals, housing, clothing, medical and dental care free. And 30 days paid vacation a year.

We'd like to recruit you for the Army team. Send us the coupon, or write: Army Opportunities, Dept. 200A, Hampton, Va. 23369.

Today's Army wants to join you.

Army Opportunities
Dept 200, Hampton, Va 23369

Date _____

2NFF 4-72

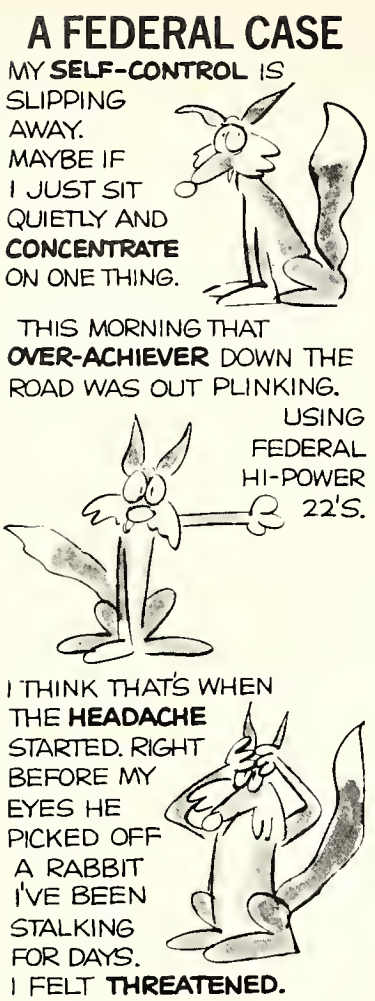
I'd like to know more about sports and other opportunities in today's Army.

Name _____ Date of birth _____

Address _____

City _____

State _____ Zip _____ Phone _____


A FEDERAL CASE
MY SELF-CONTROL IS SLIPPING AWAY. MAYBE IF I JUST SIT QUIETLY AND CONCENTRATE ON ONE THING.
THIS MORNING THAT OVER-ACHIEVER DOWN THE ROAD WAS OUT PLINKING.
USING FEDERAL HI-POWER 22'S.
I THINK THAT'S WHEN THE HEADACHE STARTED. RIGHT BEFORE MY EYES HE PICKED OFF A RABBIT I'VE BEEN STALKING FOR DAYS. I FELT THREATENED.
AFTER ALL, I HAVE MY REPUTATION TO CONSIDER.
POETS AND STATESMEN CALL ME THE MOST CUNNING BEAST OF PREY. THE SLY FOX.
VICTOR
IT'S A GOOD THING THAT POETS AND STATESMEN DON'T KNOW MUCH ABOUT HUNTING.
FEDERAL®
CARTRIDGE CORPORATION
MINNEAPOLIS, MINNESOTA 55402
FEDERAL
.22's
FEDERAL HI-POWER
FEDERAL
IF YOU WANT THIS COLORFUL 3"x4" HUNTING PATCH AND SHOTSHELL GUIDE SEND 50¢ WITH YOUR NAME AND ADDRESS TO: "FEDERAL PATCH", BOX 922 MAPLE PLAIN, MN., 55359
FEDERAL AMMUNITION

Alumni

FFA Alumni to Meet

If they all came, there would be millions but they must all join one at a time.

THE date is May 12 and the place is Chicago. The event is the first national meeting of the FFA Alumni Association and all former FFA members are invited to attend.

If you have not already joined, don't let that keep you away. Provisions are being made for those who would like to join the Association to do so while in Chicago attending this meeting.

The O'Hare Inn is the headquarters hotel. It is located at Mannheim and Higgins Road, Des Plaines, Illinois, adjoining O'Hare International Airport. You can make your reservations by writing directly to the inn or to the Alumni Association.

Several items of business will take priority at the May 12 meeting, according to Mr. Gus Douglass, chairman of the FFA Alumni Council. Alumni members present will nominate new members of the Council, the Association's governing body. They will also select activities for the Alumni Association to undertake.

It is important for those individuals who would like to be **Charter Members** to join the Association before the May 12 deadline. Likewise, those states which charter FFA Alumni Associations prior to the organizational meeting will become **Founding States.**

To become a state affiliate a group must be organized with at least 50 members who have paid national dues, have a constitution in harmony with the National FFA Alumni Constitution and have an executive group with a designated chairman. A local group can be chartered when it has at least ten members who have paid national dues, its purposes are in harmony with the National FFA Alumni Constitution, and it has a designated chairman. The national Alumni office will provide materials, guidelines, and help in organizing.

Membership in the FFA Alumni Association is open to former active, collegiate, or honorary FFA or NFA members and both present and former vocational agriculture educators. An individual may join the Association direct at the national level, until a state association or local affiliate are chartered in his area. To join the Association, send your name, address, and dues direct to the national Association at Box 15058, Alexandria, Virginia 22309, or through your state or local affiliate. National dues are $4.00 for annual membership and $100 for a life membership.

Ten state charters have been issued to date. They are Kansas, Louisiana, Indiana, Ohio, Oregon, Texas, Oklahoma, Wyoming, Illinois, and Tennessee.

The first local FFA Alumni was chartered at Miami East High School, Casstown, Ohio. The second was Kansas State University in Manhattan. Other states with local affiliates include Pennsylvania, Missouri, Louisiana, Wyoming, Tennessee, Texas, Alabama, West Virginia, Connecticut, Nebraska, Kentucky, North Carolina, and Maryland.

The FFA Alumni Association is governed by an Alumni Council, which reports to the National FFA Board of Directors. Mr. Jay Benham, a former FFA member and local FFA advisor, is the administrative secretary.

Those now serving on the Alumni Council are: Chairman Gus R. Douglass, Charleston, West Virginia; James P. Clouse, West Lafayette, Indiana; Larry Craig, Midvale, Idaho; W. T. Ellis, Greensboro, North Carolina; Millard Gundlach, Montford, Wisconsin; Edwin C. Hadlock, Hammond, New York; Kenneth G. McMillan, Bloomington, Illinois; Harry Birdwell, Fletcher, Oklahoma; Dan Lehman, Pleasant Plains, Illinois; Tim Burke, New Hampton, Iowa; and Neville Hunsicker, Wash., D.C.

How can you help? A good place to start is showing this article to a former FFA member you know and ask him to join the FFA Alumni Association.

For more information on how FFA chapters and members can help, write to the FFA Alumni Association, Box 15058, Alexandria, Virginia 22309.

Kenny McMillan, left, a member of the Alumni Council, presents the first state charter to Greg Hands who accepts for the Kansas FFA Alumni Association.

Your FFA Ambassadors

On your behalf the National FFA Officers went on tour from January 31 to March 6 to inform agricultural leaders about your FFA organization.

THE National FFA Officer team went to 39 cities in 22 states to tell how FFA members were "Youth With A Purpose." The occasion was the 1972 National FFA Officers Tour, an annual seven-week trip to over 100 business, organization, and individual supporters of the FFA.

In their talks to agricultural leaders, the National Officers spoke on the relevance of agricultural education and the FFA. They emphasized practical experience in the FFA, FFA competition, youth incentive, and leadership development training.

Traveling by almost every means possible, the officers made visits singly, in pairs, in threes, and as a team. They met with agricultural officials of railroads, chemical companies, farm equipment manufacturers, radio and TV stations, government, financial agencies, food processors, and many other agribusiness representatives.

Here are a few scenes depicting the activities of their tour.

One of the officers most pleasant duties was awarding Gold Sponsor plaques.

The National Officers accompanied by some of the National FFA Staff shared a meal with members of the 1972 FFA Foundation Sponsoring Committee in Chicago.

The tour provides the opportunity for National Officers and agricultural spokesmen to discuss common problems.

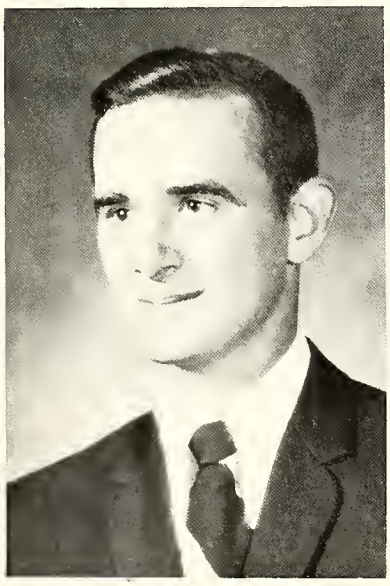
On several visits, state FFA officers (right) introduced the National FFA Officer team to company representatives.

Youth With A Purpose

Influenced to Teach

For six years Dave Evans attended a one-room country school where his mother taught. Finishing eighth grade in another two-room country school, he entered Sargent High School and joined the local Nebraska FFA chapter. His goal then was to become a school teacher.

David began FFA by serving as junior president and winning the local and district Creed contest, finally placing fifth at the state convention. He also earned the Star Greenhand award and the Agricultural Scholastic award.



David Evans

Dave next served as vice president of his chapter and ran for state office. Upon winning first in the local and district FFA public speaking contest, he placed third in state competition. He won the the wildlife speaking trophy in his district, too.

In FFA he carried on general crop farming programs and raised hogs. He is particularly interested in farm beautification and improvement.

In high school Dave was named the best actor in the junior class play and best supporting actor in the senior play. He is listed in Who's Who in High School Dramatics and is a member of the International Thespian Society.

Dave is a member of the National Honor Society, and he won a trophy as an outstanding high school track star. He was voted 4-H king at two leadership camps and has played the piano for his church congregation since 1967.

These achievements only led to more recognition. The active youth is listed in Who's Who Among High School Students and the Outstanding American High School Students. He was further voted as state winner in the Nebraska Outstanding Teenager of America program.

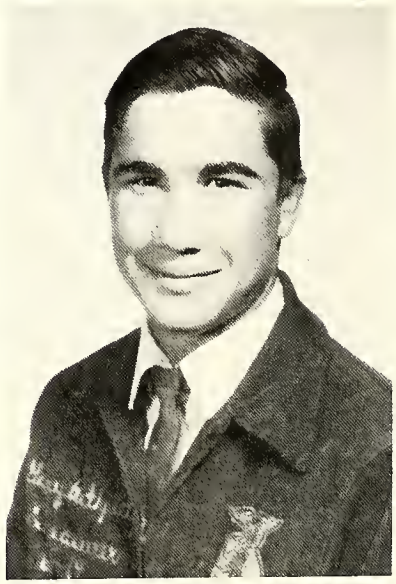
FFA achievements, as David puts it, serve as "stepping-stone goals" towards a teaching career. The influence has been so great he is now majoring in agricultural education at the University of Nebraska.

Seeking an Education

Gary Rothpletz, of Douglas, Arizona, joined FFA to obtain "the highest agricultural education he could get."

In 1971 the young agriculturist was awarded the state Agricultural Mechanics Proficiency award. He has overhauled tractor engines, hydraulic systems, and transmissions. Moreover, he has repaired machinery and built livestock facilities on the 200-acre Rothpletz farm. He is skilled in hardfacing and welding repair.

Gary's supervised farming program includes 87 acres of maize, 40 acres of cotton, and 5 acres of sugar beets. He feeds out some 20 hogs annually.



Gary Rothpletz

Last summer Gary began work experience as the manager of a neighboring farm. "I want to help the farmer improve his crops," says Gary, "and improve the relationship between the farmer and the urbanite."

Gary was a member of the Douglas Chapter's cotton, range management, and agronomy judging teams which all placed first in state contests. Holder of the Star Chapter Greenhand and Star Chapter Farmer award, he also earned state proficiency honors in Soil and Water Management.

Prior to serving as state vice president in 1970-71, Gary served as chapter president and treasurer. The Arizonian also attended the National Leadership and Citizenship Conference in Washington, D.C.

Scholastically Gary is a member of the National Honor Society. He served as parliamentarian of the Inter-Club Council in high school and was a Junior Rotarian. Still pressing toward his main goal, Gary presently is attending the University of Arizona. He is studying agronomy with the intent of working for an agriculturally related business.

The principle is the same. The potential is different.

Start with an inquiring mind. Add a passion for making things work. Then combine these qualities with a love of machines and a craftsman's hands, and you've got a natural born mechanic.

When the Air Force gets hold of a guy like that, they'll spend thousands of dollars to train him to be a master at his skill. And from automotive repair to computer maintenance, the skills the Air Force teaches can be as valuable out of the service as in it.

What are you interested in? Whether you know for sure or not, you've got to be interested in what an Air Force skill can mean to your future. And right now, as a special incentive, your local Air Force recruiter has a selection of jobs that he can guarantee you *before* you enlist. You just make your choice, and the skill of your life is locked in your future.

One more good reason to go Air Force is the recent pay raise that almost doubles your starting salary as an airman.

For more information, mail in the coupon. Or, call 800-631-1972 toll free for the address of your nearest Air Force representative.*

Let the Air Force take your potential and make the most of it.

*In New Jersey call 800-962-2803

1-NF-42

U.S. AIR FORCE RECRUITING SERVICE
DIRECTORATE OF ADVERTISING (APV)
RANDOLPH AIR FORCE BASE
TEXAS 78148

Name_____

High School_____

Address_____

City_____ State_____ Zip_____

Phone_____ Date of Birth_____

I understand there is no obligation.

Find yourself in the Air Force.

Beef Breeding Evaluation

This system predicts the reproductive potential of 12 economically important genetic traits. ***By Ron Miller***

Mr. Jerry Litton studies a computer report that tells him the breeding potential of all females in his herd.

BREEDING value analysis, or BVA for short, is the name given to a new beef testing program developed by Jerry Litton, the national FFA secretary in 1956-57. His computerized system rates the traits of both sire and dam and predicts the performance of unborn offspring. He designed the system for evaluating—genetically and economically—his top quality Charolais cattle, generally numbering 300 cows.

Mr. Litton, co-owner with his father of the Litton Charolais Ranch, Chillicothe, Missouri, began developing the LCR-BVA system 10 years ago. He started by putting the idea on paper and then learning about the capabilities of computers. During the last year and a half he has worked closely with Dr. Richard Willham, a geneticist at Iowa State University, to complete the evaluation system.

Basically, the LCR-BVA system brings together the performance information on individual animals within a herd along with information on their relatives. In doing this, the BVA calculates the breeding value for each genetic trait. Animals also receive a ranking for each trait, as well as an over-all ranking within the herd. Knowing the breeding value of the cow and sire, the BVA can predict how a calf should perform with this mating.

In the BVA program an economic value, according to its relationship to the commercial cattleman, is placed on each trait. In addition, the heritability of specific traits, the number of relatives plus their relationship to the animal being evaluated, and the animal's own performance are considered in the overall index and ranking of each animal. Females and herd sires are ranked and indexed separately.

Traits Evaluated

"We started keeping performance records on our herd 13 years ago. We have since expanded our usual weaning and yearling weight information into areas such as ease of calving, pelvic size of heifers, loin eye measurements, efficiency of the cow, and carcass cutability and quality of commercial animals." says Jerry Litton.

The BVA analyzes performance in 12 different areas, including in-herd and multi-herd performance.

Ease of Calving. The LCR-BVA system bases its ease of calving score on a scale of 0 to 50 in increments of 5. Scores from 0 to 25 indicate a calf would have been born normally in a commercial herd. Within this range the BVA takes off $1.00 for each point to compensate for loss of breeding time.

A score between 30 and 40 shows that a calf would have been lost under normal calving conditions. A value of $2.00 a point in this range represents the value of the lost calf. When the cow and calf would have been lost under commercial calving conditions, a score between 40 to 50 is recorded and $4.00 per point is assessed for their loss.

To take this a step further, the BVA rates the calving ease from two standpoints because some bulls who sire easy-to-be-born calves also sire daughters which have difficulty in giving

(Continued on Page 17)

"Studying the records of individuals to decide which sire will match the potential of the female best is an important part of the BVA system," says Mr. Litton.

Styled for Our Golden Year

1922-1972

Bonanza $10.95

Fine Hemp Sisol in Square D shape with side vents and Golden Spur trim. Also available in open crown.

Bobby Berger . . . runner-up for the 1971 RCA All Around and Bull Riding Championships and voted one of the Ten Best Western Dressed personalities.

Nugget $12.95

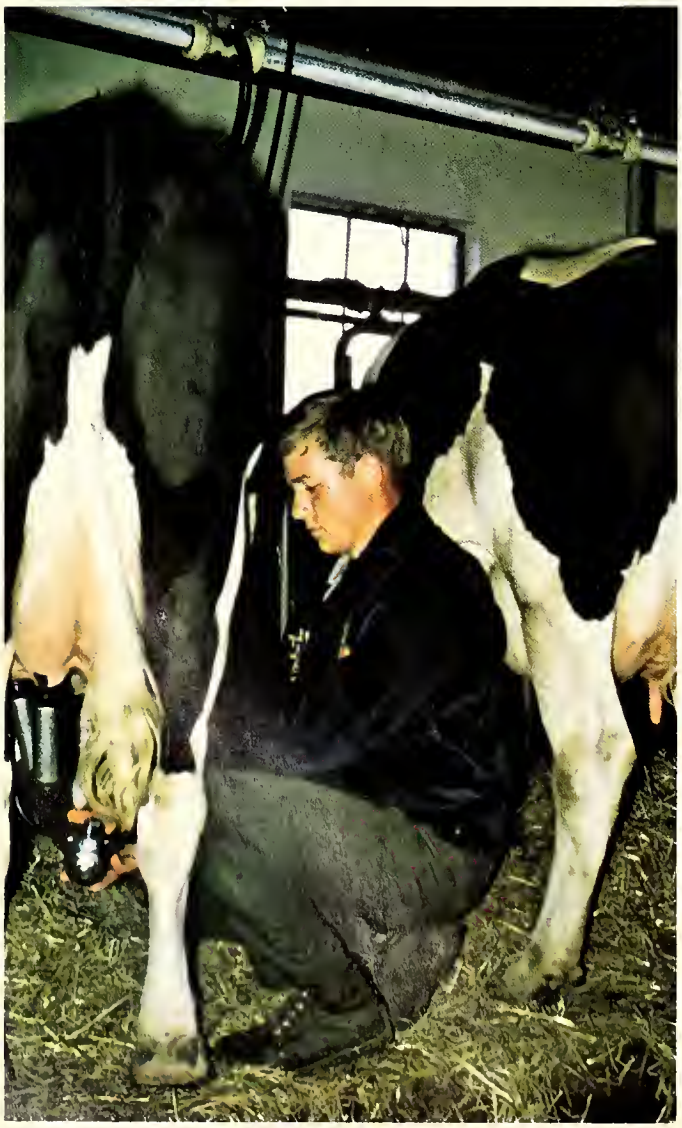
Light and airy. An imported genuine Bakou straw in Square D shape with feather and Golden Spur trim.

Bailey

U-Rollit®

2558 SAN FERNANDO RD., LOS ANGELES, CA. 90065

Feeding forage is an easy chore for Gary with this automatic feeder which was strategically placed between the 100 free stall barn and the milking barn.



The pipeline setup helps us to cut milking time, and yet know our cows individually," says Gary.

As you look at the Grossnickle farm from the road you see the pride this family has toward the business.

Photos by Author

Model Dairying

This member's farm is beautifully kept as well as good sized, automated, and efficiently managed. ***By Ron Miller***

THE 132-acre farm operated by Gary Grossnickle and his father near Walkersville, Maryland, is considered a model dairy farm by many experts within the state.

Situated in Frederick County—the state's largest milk producing county with some 800 dairy farms—the Grossnickle farmstead served as a "welcome farm" this past summer. The farm was one of several throughout the state to take part in Maryland's Farm Visitation Day program for informing the urban public about modern farming.

Another illustration of how highly thought of their farm is occurred during FFA WEEK in 1971. John Harder, a reporter from WMAL-TV, Channel 7, Washington, D.C., visited the Grossnickle farm to produce a five-minute report for the evening news. The tape, also featuring other members of the Walkersville Chapter, was shown Friday before FFA WEEK on both 6 and 11 o'clock newscasts.

With an almost completely automatic dairy set-up, Gary and his father milk 75 cows and run about 25 head of young stock. Housed in a modern block barn, they milk their herd in two shifts twice daily with a pipeline system dumping into a 600-gallon bulk tank. They also feed grain and concentrate in the 34-stall stanchion barn prior to milking.

Besides the modern milking setup, the Grossnickles have two 20 x 60-foot silos with unloaders and a 100-foot automatic feeder for yard feeding. Located alongside the feeding area is a loafing barn which contains 100 free stalls.

On the 132-acre farm the partners raise 35 acres of alfalfa, 50 acres of corn, and 20 acres of barley—all for forage use. They buy all of their grain and concentrate. "In so doing, we eliminate the need for grain harvesting equipment," emphasize the dairymen. Other than tractors and the usual tillage and spraying equipment, their harvesting implements include only a self-propelled haybine and a pull-type forage harvester.

To develop the highly mechanical operation Gary and his father discuss their plans with Walkersville Advisor Paul Stull. Together they made visits to farms using automatic feeding. They also asked their extension dairy specialist for assistance and obtained plans from the University of Maryland. After discussing the different feeding systems, Advisor Stull and the Grossnickles drew plans to fit the operation.

Using the school transit, the three laid off the area for the silos and loafing area. Next, Mr. Grossnickle, Gary, and his older brother Ellis began construction of the barn and feeder. Except for a sub-contractor doing the cement work and laying block, the Grossnickle family furnished the labor for the entire job.

"More important than making the farm into a model operation, the new equipment has proven to be time saving," says Advisor Stull. "Gary and his father are continually looking for ways to increase production efficiency."

But what makes this farm a show place? Really it's the pride of the operators. In viewing the farm you will notice the freshly clipped grass, a weedless garden, beautiful flowers, and a blacktop drive surrounding the white painted buildings.

Gary and his father extend their interest in agriculture to several organizations. Mr. Grossnickle is a member of the Farm Bureau and a past director of the Southern States Frederick Petroleum Service. He is also a member of the Board of Directors for Capitol Milk Producers Cooperative, Inc. where they market their milk.

Besides serving as an officer in the Walkersville FFA, Gary is a past state vice president of the Maryland FFA Association. He is a winner of the DeKalb Agriculturist Accomplishment award and recently placed second in the state Farm Bureau Discussion meet. Gary, currently attending an artificial insemination short-course at the University of Maryland, will eventually take over the model farm called Glade View Dairy Farm.

Beef Breeding Evaluation

(Continued from Page 14)

birth. First, the system appraises the paternal side by calculating the calving ease for the birth of the animal being indexed and the calving ease for related animals when they are born. Secondly, the BVA considers the maternal side by rating the ease of calving for daughters and sisters of the animal when they calve.

Weaning Weight. Again, two phases are evaluated. Besides measuring the weaning weights of the animal and its relatives at birth, the BVA introduces the weaning weights of calves produced by an animal's sisters and daughters. In this way, the mothering and milking ability genes of the bull are appraised in the breeding analysis.

Yearling Weight. It is a highly heritable and economically important trait for measuring the growth potential since weaning. To obtain the final BVA yearling weight, an animal's actual weight is adjusted by the yearling weights of its sib relatives and offspring.

Loin Eye and Pelvic Measurements. The loin eye measurement is made at the Litton Ranch with a sonoray machine and adjusted to a 1,000-pound base. Animals not measured with the ultrasonic equipment, however, can be evaluated by using the carcass data of relatives and are not penalized in the overall index.

The pelvic measurement is taken internally at 12 months of age with a pelvic meter. It is used along with the pelvic data of relatives to determine the breeding value for this trait.

Cow Efficiency. In the BVA system, this trait is evaluated by comparing the pounds of beef a cow produces to the pounds of beef produced by herdmates of comparable size.

Service Sire and Unborn Calves

Using the breeding value summary of the service sire, the BVA determines the predicted breeding values for the "unborn calf" before the cow is actually serviced. By looking at breeding values of different herd sires it would be possible to predict which matings will probably result in the highest level of production.

The LCR-BVA is available only to customers of the Litton Ranch. Accordingly, a multi-herd, commercial progeny test which evaluates about 40 bulls a year on some 4,000 cows in herds over several states is included in the BVA. This means breeders using the BVA system can eventually determine which bulls produce the best offspring from all breeds and crosses—no matter how or where they are fed in the country.

Hog Parlor for Over 1,000

It's modern, but most important, it is efficient and profitable.

One of Georgia's top swine producers is Bennett Whitfield, a member of the Emanuel Institute FFA Chapter at Twin City. He, his dad, and younger brother Jerald are feeding and finishing over 3,100 hogs per year. They have constructed an ultra-modern "pig parlor" with a capacity of 1,040 animals. They cycle through three groups every year in the parlor, which is sectioned into lots holding 40 head of hogs each, with automatic feeders and waterers.

On one side of the parlor are slatted floors which protrude over the lagoon, making sanitation an easy chore.

The Whitfields' two storage bins are equipped to receive grain from trucks on a platform with a hydraulic lift. The corn bin has a capacity of 13,000 bushels and the other bin holds 7,000 bushels of soybeans. A fully automatic feed mill grinds about 2 tons of feed per day.

Bennett, a past vice president of the Georgia FFA Association, received his American Farmer degree last year at the National Convention. He and his family raise 300 acres of corn, 350 acres of wheat, 80 acres of soybeans, and 40 acres of grain sorghum. For selling in bulk quantities as well as buying, Bennett installed a farm scale. The Whitfields purchase fertilizer in bulk and employ six-row planting and cultivating equipment.

1. Accuracy. 2. Economy. 3. Style. That's what you want from your 22 rim fire.

Winchester Model 200s deliver all you could ask for in every department, in your choice of slide action, semi-automatic, or lever.

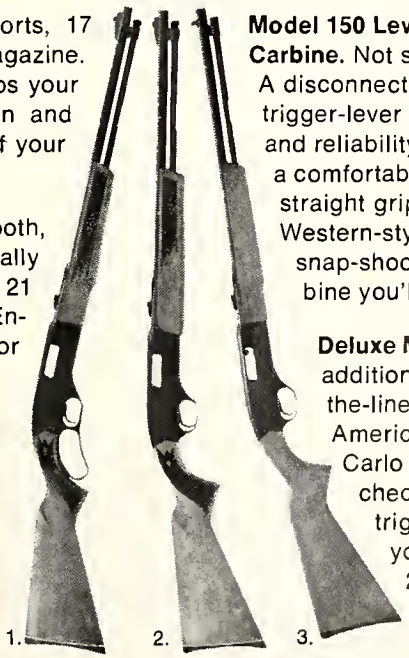
Model 290 Semi-Automatic, Deluxe

Fast-shooting repeaters that give you economy and modern styling, with speed to keep pace with all the rim fire hunting, plinking, or informal target shooting you can handle.

1. **Model 250 Lever Action:** Holds 21 Shorts, 17 Longs, or 15 Long Rifles in tube magazine. Features a disconnecting lever that keeps your finger right on the trigger as you open and close the action. You never lose sight of your target for fast second shots.

2. **Model 270 Slide Action-Standard:** A smooth, short-stroke slide action that practically pumps itself. Tube magazine holds 21 Shorts, 17 Longs, or 15 Long Rifles. Engine-turned bolt. Receiver is grooved for scope mount.

3. **Model 290 and 190 Semi-Automatics:** Model 290 semi-automatic standard shoots 17 Longs, or 15 Long Rifles as fast as you can pull the trigger. High-strength receiver is grooved for scope mount. Model 190 Rifle is an economy automatic that holds 17 Longs or 15 Long Rifles. Model 190 Carbine features Western-style forearm, carbine barrel band, and sling swivels. Shoots 17 Longs or 15 Long Rifles.



1. 2. 3.

Model 150 Lever Action Carbine. Not shown. A disconnecting trigger-lever for speed and reliability, with a comfortable, straight grip Western-style stock. A snap-shooting little carbine you'll enjoy for years.

Deluxe Models 270 and 290, available at modest additional cost: Both offer handsome top-of-the-line features: Satin-finished, semi-fancy American walnut stock and forearm. Monte Carlo profile with cheek piece. Basketweave checkering with oak-leaf motif. Gold plated trigger and safety. Check 'em out today at your Winchester dealer's. *WINCHESTER*, 275 Winchester Avenue, New Haven, Connecticut 06504.

1972 winchester the way you want it

A member and Advisor Dennis Wisecup set one of the newly painted barrels next to a grill built by the chapter.

Weldon FFA'ers felt the thrill of doing for others as they watched children play on the hand-made park toys.

Weldon Project Well Done

This chapter project was more than just a community activity. It is a public service!

The members built jungle gyms out of donated materials and painted them.

THANKS to the Weldon Valley Chapter, the small town of Weldona in northeastern Colorado now has an attractive well-equipped community park.

Weldon Park, as it is now known, has swings, teeter-totters, spring horses for small children, and facilities for family picnics and basketball games.

In surveying the needs of the Weldona community, the chapter realized there were no outdoor recreation facilities in the town. Since Weldona has no local government or civic clubs to fulfill community needs, the FFA tackled the challenge.

There was a vacant lot just a block from the school where a church had been. The church still owned the property but as there were no future plans to develop it, the land was offered to the FFA for a community park.

The initial task was a big one. Weldon Valley FFA'ers cleared away old brush and rubble and burned off weeds. Since it was not possible to get enough water to the park to plant new grass, they began to take care of native grass on the property.

FFA members built all the facilities for the park, including barbecue grills, picnic tables, and frames for the playground equipment. The members also put in spring horses for the little tots. But inasmuch as horses sold for about $90.00 apiece in the catalog, they devised their own using old car springs and wooden platform seats.

The year-long project involved 300 chapter hours, plus contributions of time, money, and materials from many other organizations. When it came to building the basketball court, the Weldon Valley Chapter solicited the help of the local 4-H club. The court boasts an asphalt surface, donated by the Morgan County Commissioners, and two regulation size baskets. The area can also be used for volleyball, tennis, and other outdoor games.

Later, the 4-H and the G.L.A.D. Club, a local women's organization, cooperated to get a mercury vapor light for the park area. The Morgan County Rural Electric Association donated the light and the Goodrich Learn and Do Project Club is now paying the monthly service charge. The light operates automatically from sunset to sunrise. During National FFA WEEK the chapter presented both clubs with a "Building Our American Communities" certificate for their contribution to the park.

For the Weldon Valley Chapter the park has turned out to be a continuous project. During the summer the FFA chapter and 4-H club will be in charge of upkeep and maintenance of the park for alternate weeks. And from the use of the park thus far, citizens like the new recreational area.

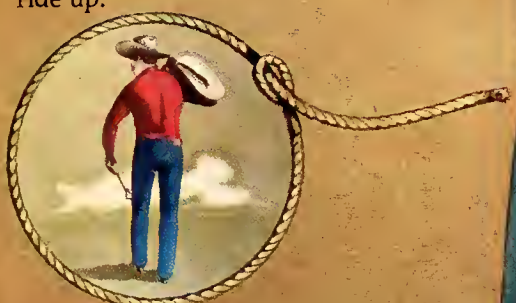
Nobody makes Boot Jeans like Levi's:

Copper riveted pockets.
We figured that the pockets on our newest jeans should be able to take anything you dish out. These can.

Pre-shrunk XX Denim.
Buy your exact size Then just *try* to wear them out. You'll find that Levi's XX Denim can handle anything you can. Maybe more.

New tailoring.
If you do heavy farm or ranch work, you develop special muscles. So we developed a special fit. Our Boot Jeans stay smooth at the thighs, but are never so tight that they bind or ride up.

Zipper fly.
We still put those unbreakable metal buttons on Original Blue Levi's. But for our Boot Jeans, we found a zipper that's almost as strong. And a darn sight faster.



The Levi's brand.
Ever since the first pair of Levi's (way back in 1850), people have tried to imitate the fit and strength of our blue jeans. None have succeeded. Because nobody —but *nobody*—has ever made jeans like Levi's.

Over-the-boot fit.
Levi's new Saddleman Boot Jeans are cut straight from the knee down. They fit *over* your boots—low and comfortable like.

"Levi's" is a registered trademark of Levi Strauss & Co., San Francisco

Levi's® Saddleman Boot Jeans

Agricultural Mechanics

National Contest for FFA Members

National contestants will perform mechanics skills in each of the agricultural mechanics instructional areas.

THE first National FFA Mechanics Contest will be held on October 11, 1972, in conjunction with the Forty-Fifth National FFA Convention. The site of the contest will be the Fort Osage Voc-Tech School in Independence, Missouri.

"The whole purpose of the National FFA Mechanics Contest," says Mr. Bob Seefeldt, Manager of FFA Contests and Awards, "is to help students prepare for successful employment in agriculture." Division Superintendent of the mechanics contest Dr. Thomas Hoerner, of Iowa State University, also believes the basis for the contest is to improve instruction in high school agricultural mechanics programs.

About 35 states already hold FFA agricultural mechanics contests. With slightly over 11 percent of the vocational agricultural students studying mechanics, the new national FFA contest will offer these members even more opportunity to practice making decisions.

Contest Activities. There are five instructional areas in the National FFA Mechanics Contest. In addition, these have been broken down into 12 agricultural mechanics subject matter areas. The instructional areas and corresponding subject matter are the following:

1. Agricultural power and machinery—including small gasoline engines, tractor power, and agricultural machinery.
2. Agricultural structures and environment—comprising carpentry construction, fencing, and concrete construction.
3. Soil and water management in agriculture.
4. Agricultural electric power and processing—featuring electricity.
5. Agricultural mechanics skills—including arc welding, oxy-acetylene welding and cutting, hot and cold metals, plumbing and pipe fitting, carpentry construction, fencing, and concrete construction.

The instructional areas are too numerous to include in every contest. Therefore, three out of five will be held yearly on a rotational basis. The agricultural mechanics skills area which will be an annual feature of the contest is the only exception. However, the subject matter of the skills instructional area will rotate.

Agricultural Outlook 72

Foreign Trade and the U. S. Farmer

THE 50th National Agricultural Outlook Conference was held February 22-24, in Washington, D.C.

Considering exports will fall about 5 percent in 1972, USDA experts made these agricultural predictions.

Crop Predictions. Farmers plan to reduce their feed grain acreage by 6 million acres this year for a total of about 122 million acres. Corn and oat acreage will be down about 4 percent, grain sorghum 7 percent, and barley 9 percent. The average price for corn is estimated at $1.06 a bushel, 27 cents below year earlier levels. Current relatively high grain sorghum and barley prices will limit further seasonal price gains. Oat prices will average a little lower than last year, but higher in relation to corn.

Prices for soybeans will continue strong as supplies are rationed between domestic and export demands. The season average price of about $3.00 per bushel will probably strengthen as soybean supplies decline. In 1972, farmers intend to seed nearly 45 million acres to soybeans for an anticipated crop of over 1.2 billion bushels.

A record yield last year pushed the wheat supply to the highest level in nine years. Prices for the remainder of the season are expected to average moderately below a year ago. The average farm price for wheat is estimated at $1.32 per bushel, or 1 cent lower than last season.

The rice allotment for this year is slightly over 1.8 million acres, the same as the past two years. Farm prices are expected to average above the $5.17 of last season.

Tightening supplies and rising prices highlight the U.S. cotton outlook. Cotton producers intend to plant about 13.1 million acres this year, up from year earlier plantings of 12.2 million. With slightly weaker export prospects, the direct payment rate will remain at least 15 cents per pound.

In 1972, FFA members will compete in the agricultural electric power and processing and the agricultural power and machinery instructional areas. The agricultural mechanics skills event for 1972 will involve the use of arc welding and hot and cold metals.

Contest Rules. As in other national contests, contestants must have participated in a similar FFA mechanics contest on a state or interstate level. Participants will compete as individuals on three-man state teams. States, however, can send only one or two contestants to compete as individuals in the National Mechanics Contest.

Each division of the new national contest will include a written examination, problem solving, and mechanics skills. Competing FFA members will choose to compete in two of the three instructional areas designated for the national contest that year. Moreover, a state team must be represented in all three instructional areas.

Equipment, tools, welding gloves, arc welding helmet, oxy-acetylene welding goggles, manuals, supplies and materials will be available at the contest. Personal equipment—including safety glasses, shop coat or coveralls, and other safety equipment—must be provided by the contestants.

Contest Scoring. An individual contestant can score a total of 250 points in the two instructional areas he selects. The team score is determined by adding the three individual scores.

Written Examination. The written exam phase consists of 25 multiple choice questions in each instructional area. FFA members can score a perfect 50 points, 25 in each of the two selected instructional areas.

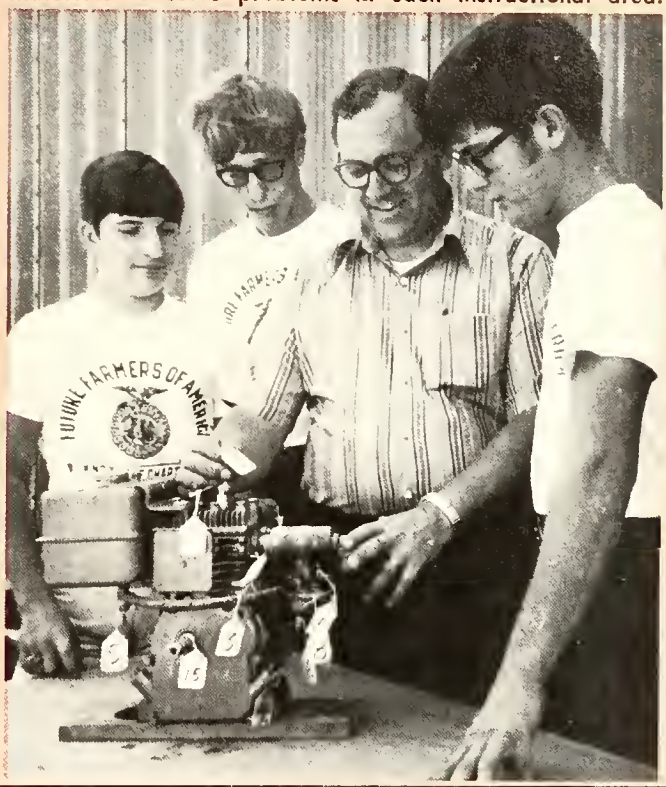
Problem Solving. This phase includes identifying materials and solving mechanical problems. Ten problems will be provided in each instructional area. Again, a member can score 25 points in each selected area for a 50 point sum.

Mechanics Skills. A contestant must perform three mechanical activities in both of the instructional areas he selects. He can score a maximum of 25 points per activity for a possible 150 points in the skills phase.

The National FFA Mechanics Contest will be sponsored by Firestone Tire and Rubber Company, Akron, Ohio, as a special project in cooperation with the National FFA Foundation, Inc. They will furnish funds for medals, plaques, trophies, and cash travel awards for contestants.

Three top state teams will receive FFA trophies and team members will be awarded plaques. Depending on their ranking, other teams and individuals will be presented gold, silver, and bronze medals.

FFA members will demonstrate their ability to identify materials or solve problems in each instructional area.



In 1972 tobacco growers are expected to produce substantially more tobacco than last year, so cash receipts will rise. Price supports will also rise by a 4.8 percent, helping growers obtain prices near past season's record high. Shipping tie-ups have cut exports, but tobacco use will edge up.

Citrus production is forecast at about the same as last season. Prices for oranges and grapefruit will be up somewhat while lemons will remain about the same. Combined production of deciduous fruits is predicted at slightly less than the previous season. Wholesale prices for apples, grapes, plums, and peaches will be generally higher than a year ago, but pears, apricots, and prunes will be cheaper.

Combined production of canned and frozen vegetables will equal or barely exceed a year ago, largely because of the expanding demand for frozen vegetables. Prices for most processed vegetables are expected to hold steady and fresh vegetable prices will continue to rise.

Livestock Markets. In 1972 cattle slaughter is expected to rise moderately and continue above year earlier levels. However, cattle prices are likely to average higher because of more consumer demand even though beef production will be up 4 to 5 percent.

Hog slaughter will remain lower throughout this year, but reductions will become smaller. With an estimated pig crop of 9 percent less than a year ago, hog prices will peak seasonally and average above $20 per hundred.

The lamb crop will decline around 6 percent reflecting a similar reduction in the number of ewes. Slaughter lamb prices will be somewhat higher than last year.

A rise in milk production from the 118.6 billion pounds in 1971 seems likely this year. The eased labor situation, a plentiful supply of herd replacements, and record high milk prices favor the trend. Assuming no change in dairy price support levels, little rise from the year earlier average price of $5.86 per hundred pounds is expected.

Prospects are a little brighter for poultry and egg producers in 1972. Broiler and turkey production will increase while egg output will ease off. Producer prices for broilers and turkeys will be up, and egg markets, though currently low, will strengthen and average above year earlier levels.

Economic Views. The economy's 1972 gross national product is expected to increase $90 to $100 billion above last year's approximate $1,050 billion. An anticipated gain of 5 or 6 percent in output, coupled with employment increases and rising wages will provide a substantial rise in consumer after-tax income. This will result in an expanded domestic demand for food and fiber products which made up a fourth of last year's gross national product, or about $264 billion worth of agricultural finished goods.

Farm sales and gross value of farm output will show a sizeable $3 to $3½ billion gain in 1972, resulting in a predicted gross farm income of about $62 billion. Little increase is likely in the volume of farm marketings. However, the expanding demand for food, especially livestock products, will raise prices and receipts.

Farm production expenses will continue upward, too, but more slowly than the $2 billion increases in recent years. Lower feed costs and wage-price freeze restraints will moderate the upward trend in production expenses, causing a projected increase of $1½ billion for 1972.

Thus, a gain in net farm income of $1½ to $2 billion above last year's approximate $15¾ billion is expected. Such a rise of 10 to 15 percent would push net farm income to a record high.

Redwood Falls FFA members raised about 150 pheasants last year. They released them at the habitat area developed by the chapter.

Helping Wild

The Minnesota FFA has been doing something to save natural resources.

MINNESOTA chapters and members know the full impact of a wildlife conservation program. Through a three-point program undertaken by the Minnesota FFA Association in the 1960's, they are not only increasing wildlife population but are learning an appreciation of life requirements for wild animals. And they are stimulating other groups—youth and adult—to become conservation minded.

The Minnesota natural resource program consists of habitat improvement, mallard duck raising, and pheasant raising. These projects facilitate the study of conservation in vocational agriculture classes and help make members and parents conservation minded. In so doing, the program increased wild fowl and game bird populations while improving relations between farmers and city hunters. Furthermore, it provides members with the chance to become interested in wildlife conservation careers.

Pheasants for Autumn

In 1954, members of a few chapters located in the state's major pheasant range began raising and releasing pheasant chicks in the southern part of the state. They primarily wanted to overcome a decline in the population of wild birds caused by a decrease in quality habitat. Cooperating with local sportsmen clubs, the chapters raised chicks provided by the Minnesota Department of Natural Resources. Interest grew slowly until 1964 when a dozen chapters released nearly 3,000 birds.

A state-wide project involving 40 chapters began in 1965, and as many as 120 chapters raised pheasants in each of the ensuing years. Over the seven-year period nearly 2,000 FFA members from 175 different chapters have raised and released pheasants. Many other members have been indirectly involved through their chapter's pheasant activities. Chapters have obtained financial support from more than 100 sportsmen clubs and civic organizations, too.

Day-old pheasant chicks are delivered from the state's Carlos Avery Game Farm to local chapters. Participating members receive an average of 50 birds each and place them in battery brooders at their homes. These brooder units provide heat, water, food, and shelter.

When the chicks are one to two weeks of age FFA members provide the birds with outdoor pens made of wire netting. The pens are covered and isolated in natural grasses and weeds essential for the growth of wild birds.

The cost of raising pheasant chicks to the release age of seven to eight weeks varies depending upon the types of brooders and pens used. To make up for a general lack of insects and natural foods, FFA members feed a high protein (26 to 30 percent) poultry feed. Feed costs, usually borne by sportsmen clubs and other cooperators, average about 20 cents per bird.

Since 1965, FFA members released about 135,000 pheasants of some 180,000 day-old chicks provided by the natural resources department. Per FFA member this averages out to 38 birds released for every 50 received. One chapter, the Annandale FFA, boasts over 15 years of raising and releasing about 10,000 pheasants.

To improve the chances of pheasant survival in the wild, FFA members generally release birds near a plentiful supply of corn or grain and in marshes, brush, or trees. Many also cooperate by putting bands on the birds to measure the survival rate after release.

Besides publicizing their pheasant projects in newspapers, chapters use other ways to inform citizens. To illustrate, the St. Peter FFA displays the bands from pheasants, as well as from ducks, that have been returned in the vo-ag classroom. They invite the public to see the banding results.

Hunting reports indicate about 12 percent of the banded roosters are shot during the first fall after release. In

The Balaton FFA members raised pheasants as a chapter project. Members raised them at their homes, but combined their records and released the birds together.

Balaton Press Tribune Photo

ife Propagate

And they started a long time before the public became concerned.

By Ron Miller

Members of the Montevideo FFA Chapter marked the wings of the mallards they raised just before releasing them.

comparison, this rate of harvest is only about one-third of what can be expected from birds banded in the wild. However, measurements of survival do indicate a sizeable contribution to the fall populations of the ringneck bird.

Mallards to the Flyways

The mallard project got its formal start in 1963 with 11 chapters participating under the sponsorship of United Northern Sportsmen's Club of Duluth. Seventeen chapters in the northeastern part of Minnesota obtained mallard ducklings in 1964. Finally, the development of a statewide project began in 1965 and officials of the Minnesota Department of Natural Resources and the U.S. Bureau of Sport Fisheries and Wildlife assisted the FFA, sportsmen organizations, and others in the project.

In 1967, state and federal officials joined with the Max McGraw Wildlife Foundation of Dundee, Illinois, in a three-year experiment to develop a McGraw-FFA strain of mallards which could survive when released. Wild drakes were captured and mated with the wildest hens available at the game farms. Offspring from these matings were bred back to wild ducks each of the following years. Ducklings supplied to FFA'ers in 1969 were about seven-eighths wild.

Twenty-one members of the Blackduck Chapter made 30 wooden nesting boxes.

Most of the chapters active in the duck program are located in regions where native mallard habitat suffered from drainage of wetlands and intensive farming. A total of 161 FFA chapters have participated in the mallard program since 1965. Yearly participation has varied from a low of 79 in 1966 to a high of 112 in 1969.

More than 2,000 members have received over 77,000 ducklings, raising about 66,000 of them to the release age of five weeks for a survival rate of 83 percent. At the start of the project about four-fifths of the members were 16 to 18 years of age, but by 1969, 14 to 15-year-old members comprised more than half of the total participants in the duck program. On the average each member has received 38 ducklings and released 33.

Day-old ducks were shipped by air from Dundee to the Minneapolis-St. Paul airport and from there transported by auto to local distribution points. Members take care to protect the ducklings from predators and adverse weather while giving ducklings maximum amount of seclusion from people and domestic animals. This includes maintaining proper temperature in the brood house, providing plenty of shade, grassy vegetation, a swimming area, and furnishing high protein food.

Generally, cooperating agencies and organizations absorb the cost of transportation and food. For instance, the Mt. Lake FFA obtained 35 local businesses and individuals as sponsors for their duck raising project. Average feed costs to raise a duckling to the release age of five weeks runs approximately 28 cents. In addition, game farms absorb most of the hatching expenses, leaving a purchase cost of 10 to 35 cents per bird to be paid by members or cooperators.

When releasing the mallards, FFA members let them go in batches of 20 in an isolated, permanent-type wetland of at least five acres in size. Conservation officials say between 80 and 90 percent of the members choose suitable releasing sites—ideally 10 acres of shallow lake, moderate depth wetland, or deep marsh. FFA members have found that farm ponds, dugouts, streams, and rivers are less desirable for survival.

A special research study supervised by the University of Minnesota utilized radio telemetry equipment to determine the mortality of pen-reared mallards in the wild. They claimed a high mortality primarily due to predators and are still seeking an answer to what extent released ducks help in sustaining the breeding population.

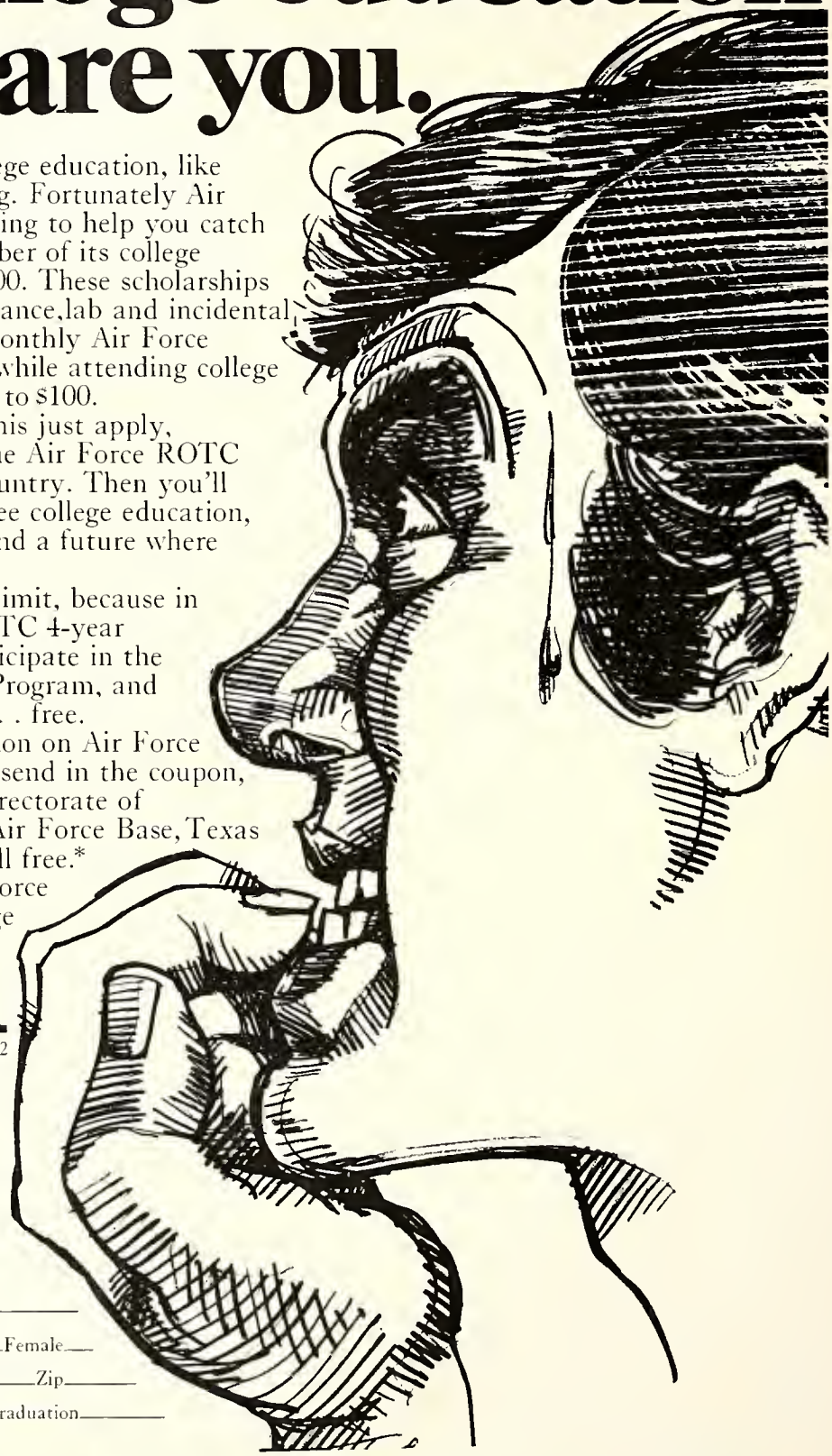
In addition, state and federal conservation officials have carried on a banding study throughout the program. This study will be completed by 1973 when the U.S. Department of Interior's bird banding laboratory analyzes data on the man-raised ducklings.

Thus far, of some 14,000 banded ducklings, hunters harvested 12 percent of the birds during the first fall after release, 3 percent the second, 1 percent the third year, and .5 percent the fourth year. Geographically, hunters have shot FFA ducks in 20 states and four Canadian provinces, with most of the mallards fanning out over the flyways in a pattern similar to other wild ducks.

The McGraw Foundation—who has furnished 53,000 mallards—and other suppliers were able to provide only 3,600 ducklings in 1971. Consequently, since 10,000 ducks were annually released in previous years, the status of the FFA wild mallard raising project is uncertain. In the immediate future, though, Minnesota FFA members will be raising a limited number of mallards using a method called gentle release in which ducks are isolated from humans until they are able to fly.

(Continued on Page 27)

Don't let the price of a college education scare you.



The price of a college education, like everything else, is skyrocketing. Fortunately Air Force ROTC has done something to help you catch up. It has just raised the number of its college scholarships from 5,500 to 6,500. These scholarships cover full tuition, a book allowance, lab and incidental fees. Not only that, but the monthly Air Force ROTC allowance you receive while attending college has recently been doubled . . . to $100.

To cash in on all this just apply, qualify, and enroll in one of the Air Force ROTC college programs across the country. Then you'll be on your way to a tuition-free college education, an Air Force officer's career, and a future where the sky's no limit.

And the sky *is* no limit, because in your senior year of the AFROTC 4-year scholarship plan, you can participate in the AFROTC Flight Instruction Program, and earn a private pilot's license . . . free.

For more information on Air Force ROTC Scholarship Programs, send in the coupon, or write the USAF ROTC, Directorate of Advertising/APV, Randolph Air Force Base, Texas 78148. Or call 800-631-1972 toll free.*

Enroll in the Air Force ROTC and the worry of college costs will be nothing but a memory.

*In N. J. call 800-962-2803.

2-NF-42

U. S. AIR FORCE ROTC
DIRECTORATE OF ADVERTISING (APV)
RANDOLPH AIR FORCE BASE
TEXAS 78148

Please send me more information on Air Force ROTC.

_____I am interested in your scholarship program.

My first three choices of colleges offering Air Force ROTC are:

1._____2._____3._____

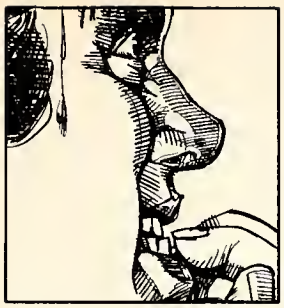
Name_____Age__Male__Female__

City_____State_____County_____Zip_____

High School_____Date of Graduation_____

I understand there is no obligation.

Find yourself a scholarship in the Air Force ROTC.



ALABAMA
Auburn University, Auburn 36830
University of Alabama, University 35486
Livingston University, Livingston 35470
Samford University, Birmingham 35209
Tuskegee Institute, Tuskegee 36088
Troy State University, Troy 36081

ARIZONA
University of Arizona, Tucson 85721
Arizona State University, Tempe 85281
Northern Arizona University, Flagstaff 86001

ARKANSAS
University of Arkansas, Fayetteville 72701
University of Arkansas, Monticello, College Heights 71655

CALIFORNIA
Loyola University of Los Angeles, Los Angeles 90045
University of California, Los Angeles, Los Angeles 90024
University of Southern California, Los Angeles 90007
University of California, Berkeley 94720

COLORADO
Colorado State University, Fort Collins 80521
University of Northern Colorado, Greeley 80631
University of Colorado, Boulder 80302

CONNECTICUT
University of Connecticut, Storrs 06268

DISTRICT OF COLUMBIA
Howard University, Washington 20001

FLORIDA
Embry Riddle Aeronautical University, Daytona Beach 32015
Florida Technological University, Orlando 32816
The Florida State University, Tallahassee 32306
University of Florida, Gainesville 32603
University of Miami, P.O. Box 8164, Coral Gables 33124

GEORGIA
The University of Georgia, Athens 30601
Georgia Institute of Technology, Atlanta 30332
Emory University, Atlanta 30333
Valdosta State College, Valdosta, 31601

IDAHO
University of Idaho, Moscow 83843

ILLINOIS
Bradley University, Peoria 61606
University of Illinois, Champaign 61820
Southern Illinois University, Carbondale 62901
Parks College of St. Louis University, Cahokia 62206

INDIANA
Butler University, Indianapolis 46207
Indiana University, Bloomington 47405
Purdue University, Lafayette 47907
University of Notre Dame, Notre Dame 46556
Depauw University, Greencastle 46135
University of Evansville, Evansville 47704

IOWA
Coe College, Cedar Rapids 52402
Iowa State University of Science and Technology, Ames 50010
State University of Iowa, Iowa City 52240
Drake University, Des Moines 50311
Parsons College, Fairfield 52556

KANSAS
Kansas State University, Manhattan 66502
Wichita State University, Wichita 67208
The University of Kansas, Lawrence 66044
Washburn University, Topeka 66621

KENTUCKY
University of Kentucky, Lexington 40506
University of Louisville, Louisville 40208

LOUISIANA
Louisiana Tech University, Ruston 71270
Louisiana State University & A&M College, Baton Rouge 70803
University of Southwestern Louisiana, Lafayette 70501
Tulane University, New Orleans 70118

MARYLAND
University of Maryland, College Park 20742 and Maryland State College, Princess Anne 21853

MASSACHUSETTS
College of the Holy Cross, Worcester 01610
Lowell Technological Institute, Lowell 01854
Massachusetts Institute of Technology, Cambridge 02139
University of Massachusetts, Amherst 01002

MICHIGAN
Michigan State University, East Lansing 48823
University of Detroit, Detroit 48221
The University of Michigan, Ann Arbor 48104
Michigan Technological University, Houghton 49931

MINNESOTA
St. Olaf College, Northfield 55057
College of St. Thomas, St. Paul 55101
University of Minnesota, Minneapolis 55455
University of Minnesota, Duluth 55812

MISSISSIPPI
Mississippi State University, State College 39762
University of Mississippi, University 38677
Mississippi Valley State College, Itta Bena 38941
University of Southern Mississippi, Hattiesburg 39401

MISSOURI
Saint Louis University, St. Louis 63103
Southeast Missouri State College, Cape Girardeau 63701
University of Missouri, Columbia 65201
University of Missouri, Rolla 65401

MONTANA
Montana State University, Bozeman 59715
University of Montana, Missoula 59801

NEBRASKA
University of Nebraska, Lincoln 68508
The University of Nebraska at Omaha, Omaha 68101

NEW HAMPSHIRE
University of New Hampshire, Durham 03824

NEW JERSEY
Rutgers, The State University, New Brunswick 08903
Newark College of Engineering, Newark 07102
Stevens Institute of Technology, Hoboken 07030

NEW MEXICO
New Mexico State University, Las Cruces 88001
College of Santa Fe, Santa Fe 87501

NEW YORK
Cornell University, Ithaca 14850
Fordham University, Bronx 10458
Syracuse University, Syracuse 13210
Rensselaer Palytechnic Institute, Troy 12181
Manhattan College, Bronx 10471
State University of New York at Buffalo, Buffalo 14214

NORTH CAROLINA
Duke University, Durham 27706
Fayetteville State University Fayetteville 28301
University of North Carolina, Chapel Hill 27515
North Carolina State University at Raleigh, Raleigh 27607
East Carolina University, Greenville 27834
North Carolina A&T State University, Greensboro 27405

NORTH DAKOTA
North Dakota State University of A&AS, Fargo 58102
University of North Dakota, Grand Forks 58202

OHIO
Bowling Green State University, Bowling Green 43402
Case Western Reserve University, Cleveland 44106
Kent State University, Kent 44240
Miami University, Oxford 45056
The Ohio State University, Columbus 43210
Capital University, Columbus 43209
Ohio University, Athens 45701
Ohio Wesleyan University, Delaware 43015
Denison University, Granville 43023
Otterbein College, Westerville 43081
The University of Akron, Akron 43304
University of Cincinnati, Cincinnati 45221

OKLAHOMA
Oklahoma State University, Stillwater 74074
The University of Oklahoma, Norman 73069
The University of Tulsa, Tulsa 74104

OREGON
Oregon State University, Corvallis 97331
University of Oregon, Eugene 97403
University of Portland, Portland 97203

PENNSYLVANIA
Duquesne University, Pittsburgh 15219
Lehigh University, Bethlehem 18015
The Pennsylvania State University, University Park 16802
University of Pittsburgh, Pittsburgh 15213
Allegheny College, Meadville 16335
Grove City College, Grove City 16127
Wilkes College, Wilkes-Barre 18703

PUERTO RICO
College of Agriculture & Mechanical Arts, Mayaquez 00708

SOUTH CAROLINA
The Citadel, Charlestan 29409
Clemson University, Clemson 29631
University of South Carolina, Columbia 29208

SOUTH DAKOTA
South Dakota State University, Brookings 57006

TENNESSEE
Memphis State University, Memphis 38111
Tennessee State University, Nashville 37208
University of Tennessee, Knoxville 37916

TEXAS
Lamar State University of Technology, Beaumont 77705
Pan American University, Edinburg 78539
Texas A & M University, College Station 77841
Baylor University, Waco 76703
Southern Methodist University, Dallas 75222
Texas Tech University, Lubbock 79406
The University of Texas, Austin 78712
East Texas State University, Commerce 75428
North Texas State University, Denton 76203
Southwest Texas State College, San Marcos 78666
Texas Christian University, Fort Worth 76129
Angelo State University, San Angelo 76901
Sul Ross State University, Alpine 79830

UTAH
Brigham Young University, Provo 84601
Utah State University, Logan 84321
Southern Utah State College, Cedar City 84720

VERMONT
St. Michael's College, Winooski 05404
Norwich University, Northfield 05663

VIRGINIA
Virginia Polytechnic Institute, Blacksburg 24060
Virginia Military Institute, Lexington 24450
University of Virginia, Charlottesville 22903

WASHINGTON
Central Washington State College, Ellensburgh 98926
University of Puget Sound, Tacoma 98416
Washington State University, Pullman 99163
University of Washington, Seattle 98105

WEST VIRGINIA
West Virginia University, Morgantown 26506

WISCONSIN
University of Wisconsin, Madison 53706
Wisconsin State University, Superior 54880

WYOMING
University of Wyoming, Box 3005, University Station, Laramie 82070

Helping Wildlife Propagate

(Continued from Page 25)

Improving the Habitat

With a broadened interest in wildlife conservation, FFA members desired to supply a suitable wild habitat for their mallards and pheasants. Professional conservationists responded by developing a booklet and a program of wildlife habitat improvement. Initiated in 1967 with only 30 chapters cooperating, today over 150 Minnesota chapters annually are involved in habitat projects.

Chapter projects center around natural reproduction sites, water areas, winter cover, and winter food supplies. They receive financial assistance for many of their habitat projects through established cost sharing programs of the USDA Soil Conservation Service. Moreover, state game managers and federal soil conservation personnel provided technical assistance.

Chapters have planted and are preserving 8,600 acres of undisturbed nesting cover on 451 sites. They further protect 129 wetland areas totaling 2,385 acres from drainage, filling, or burning. FFA members created planting cover on 211 sites totaling 513 acres and established 287 food plots on another 2,127 acres, besides building 900 nesting areas.

Trying More Projects

Several northern Minnesota chapters are expanding their natural resources activities by adding grouse and deer habitat programs. Still others are initiating work on wildlife refuges.

Meanwhile, the Canon Falls FFA and others are expanding their game bird project by releasing wild turkeys. The Monticello and Fridley Chapters, for example, are restocking their area with Canadian geese.

Other chapters—Worthington, Nicollet, Parkers Prairie, and Westbrook to name a few—are attempting to salvage wild pheasant and duck eggs. Requesting that farmers notify them of injured hens and partially destroyed nests, 50 chapters incubated some 2,100 wild bird eggs, hatching over 1,600 of them.

In another project, 44 chapters released 900 adult Mallard hens in April and May of 1970. The ducks were made available to chapters for $1.50 each under a state approved plan.

The emphasis of their efforts, however, is on natural resources education.

Several FFA wildlife publications can be purchased from the State Documents Section, Room 140, Centennial Building, St. Paul, Minnesota 55101. Priced at 50 cents each are: *Pheasant Release Program of FFA; Habitat Improvement Program of FFA; Wildlife Conservation Programs of FFA;* and *FFA Wildlife Conservation Guide*. Available for $1.00 per copy is the booklet *FFA Mallard Release Program.*

Banking Specialists

A RECENT survey of 640 banks indicates that 87 percent of the agricultural specialists were raised on a farm or ranch. From the survey by the American Bankers Association, an estimated 3,500 persons currently work in the agricultural area of banking. About 75 percent completed four years or more of college with one-quarter of these having done graduate work. Major fields of study were agriculture economics, animal science, and agriculture education.

The bank agriculture specialists' related work experience prior to entering banking included farming, agricultural extension work, work with agribusiness firms, and teaching vocational agriculture. More than half of the agricultural specialists have been with their bank over five years and about one-quarter have been with their bank over ten years. Slightly less than 30 percent had experience with other banks or credit institutions prior to their accepting present positions.

Experience Sought. Chief executive officers of banks, when asked to evaluate the background education and experience they seek in a bank agriculturist specialist, cited, (1) agricultural education, (2) farm, ranch, or related experience, and (3) farm ownership or management experience. Agricultural specialists, on the other hand, indicated that a broader base of study including some work in banking and financial areas would be helpful in such a career.

What They Do. Most bank agricultural specialists spend the largest amount of their time serving non-real estate loans. Other important duties include real estate loan servicing, counseling farmers and agribusiness firms, farm management, and maintaining relations with correspondent banks.

In addition, specialists spend approximately 25 percent of their time on other banking operations, management, and business activities. The amount of time spent on agriculture versus non-agriculture duties varies with the type of community and size of the bank. Also, agriculture specialists at large banks generally spend nearly 100 percent of their time on agriculture, and specialists at small banks usually work with agriculture about 50 percent of the time.

Although there are a limited number of agricultural banking opportunities, do not discount the possibilities if you are interested in such a career. During 1970 agricultural loans increased 7 per cent over the previous year. With banks remaining the primary institutional lenders to agriculture ($15.5 billion), 88 percent of the 13,492 insured commercial banks in the U.S. held agricultural loans. This means, as in many other agricultural careers, the opportunities for bank agricultural specialists are on the rise.

Mechanics Technicans

Opportunities are promising in the automotive and farm equipment industries for well-trained and ambitious young men. Each year between 40,000 and 50,000 new service personnel are required by these industries.

Experts in the auto industry estimate that one mechanic is needed for every 80 cars and trucks now in operation. Yet the present ratio is one mechanic for every 130 vehicles.

It takes 200,000 employees alone to produce farm equipment. In addition, challenging careers are open to well-trained mechanics in over 19,000 farm and power dealerships on the North American continent.

Career Shorts

"In the highly commercialized farming areas of the West and Southwest there apparently is a trend towards the use of agricultural college graduates as field men for chemical and fertilizer companies." says Forest Goetsch, president Doane Agricultural Service, Incorporated. "I think we can expect this to develop more in the Midwest also. Perhaps it already is true in the Bootheel and the rest of the Mississippi Delta. Today's technical developments require a man with good background to talk intelligently about the farmer's problems and how his company's products will help to solve them."

According to Mr. John Sanders, agricultural placement director of the University of Missouri, the highest average starting salaries were—$9,167 to be exact—received by graduates who accepted agricultural education positions. Business and industry employed 16 percent of Missouri's graduating class at an average starting salary of $8,508. Young men who went into farming and farm management work received an average salary of $7,700, while Missouri graduates accepting federal and state government jobs averaged $7,739 to start.

More money and additional scholarships became available through the Army ROTC program when President Nixon signed two bills to law on November 24, 1971. The scholarship law raised the ceiling on Army ROTC scholarships from $5,500 to $6,500. The subsistence law doubles the ROTC allowance of $50 to $100 per month for a ten month academic year. *(For further details on Army ROTC scholarships, see "Scholarships Available" on page 21 of the December-January 1971-72 issue.)*

In a survey conducted by Professor Howard Tyler of Cornell University, about one-third of the agricultural graduates change their fields of study sometime during college. One-third of these students transfer from general agriculture into specialized fields. The three major fields include agricultural business management and marketing, animal science, and biological science.

Forty-seven departments of vocational agriculture could not open this year because of a shortage of qualified instructors according to Dr. Ralph Woodin, agricultural educator at Ohio State University. The shortage of vocational agriculture teachers could be met, however, if each current teacher had one student in every four years prepare for an agricultural teaching career, reports the American Vocational Association's Recruitment Committee for Agricultural Education.

More Career Information

Feed Manufacturing: *60 Million Tons of Opportunity in Tomorrows Animal Agriculture.* Free single copy while supply lasts. Send stamped, self-addressed, No. 10 envelope to Careers, American Feed Manufacturers Association, Inc., 53 W. Jackson, Chicago, Illinois 60604.

International Agriculture: (1) *International Voluntary Services Information.* (2) *Volunteer Information.* Copies free from International Voluntary Services, Inc., 1555 Connecticut Avenue N.W., Washington, D. C. 20036.

Veterinary: (1) *Career Facts about Today's Veterinarian.* (2) *Today's Veterinarian.* Single copies free from American Veterinary Medical Association, 600 South Michigan Avenue, Chicago, Illinois 60605.

Coming A Long Way

LINWOOD Pugh of the Somerset Chapter at Princess Anne, Maryland, began life as the son of a sharecropper in Georgia. Ten years ago the Pugh family moved to Westover, Maryland, and now they own an 11-acre farm on which they produce 90,000 broilers annually.

Linwood and his father produce broilers under contract for Purdue Poultry Enterprises. It takes them seven weeks to raise a batch of 18,000 broilers in their fully automatic set-up. Upon marketing the broilers they disinfect the long 300 x 36-foot house, and start another of the five batches of chicks they raise each year.

Lin checks the feed quality as it is augered from the outside storage bin.

Ron Miller Photos

The Pughs feed their broilers with electrically operated feeders which turn on and off according to the feed level in the troughs. Also, the watering is automatically activated as the broilers drink.

When the chicks grow older, Linwood lifts the brooders with hand-operated pulleys. Raising the brooders to eye level not only provides more open floor space but makes for easy cleaning and disinfecting.

Linwood, married and father of a son, bought a farm of 12 acres last year. On this farm, located just down the road from the home place, Lin plans to expand his broiler business by building facilities for housing 30,000 birds at one time. In addition to raising broilers, Lin drives a livestock truck for the poultry marketing firm.

In FFA Linwood received the Somerset Chapter Star Farmer award. Coached by Advisor J. C. King, the active FFA member won first in the regional poultry judging contest and placed third in the state competition.

Looking back, Lin has come a long way in miles since his boyhood. But more than that, he is progressing in agriculture.

Lin periodically cleans the watering troughs of his automatic float system.

Words of Rhyme

Keeper of the Plan

We saw him driving cattle in the rain,
He had them well in hand;
The cows sense their gain
And know the hand that feeds;
This weathered one
Lived to tend their needs;
Keeper of a noble plan
He woke before the sun;
To sow and reap
Tilling the earth that men might eat,
Holding life in a grain of wheat.

Priscilla Sanders

The Ideal Cow

Each weekend long and clear,
Less work to do from year to year,
And cows that reach production peak
All in the matter of a five-day week.

A cow of modern make,
That milks five days for leisure's sake.
Sleeps on Saturday, snores on Sunday,
And starts again afresh on Monday.

A herd that knows the way
To wash each other day by day.
That never troubles to excite us
With chills and fever and mastitis.

A new and better breed
That takes less grooming and less feed.
That has the reason, wit, and wisdom,
To use a seat and flushing system.

Officials by the mob,
To guide the farmers with their job.
To show the dairy breeders how
To propagate a five-day cow.

Anonymous

I Saw God Wash the World

I saw God wash the world last night
With His sweet showers on high;
And then, when morning came, I saw
Him hang it out to dry.

He washed each tiny blade of grass
And every trembling tree;
He flung His showers against the hill,
And swept the billowy sea.

There's not a bird, there's not a bee
Who wings along the way;
But it is a cleaner bird and bee
Than it was yesterday.

The white rose is a clearer white,
The red rose is more red;
Since God washed every fragrant face
And put them all to bed.

I Saw God wash the world last night;
Oh, that He had washed me,
As clean of all my dust and dirt
As that old white birch tree.

Lewis S. Payne

Ultralight, the fun tackle

You have to try it to realize the excitement it adds to catching small game fish.

By Russell Tinsley

THE white bass weren't large, maybe 9 to 11 inches long on the average. But they were numerous in the swift tailrace water below the concrete dam—one of several which impound man-made lakes along the Colorado River of central Texas—and they were hungry. I was hooking one on practically every cast.

But it wasn't what you would imagine: wholesale slaughter, stacking fish on a stringer like beads of a necklace. On the wispy rig I was using, each was a special challenge—getting in the fast current and giving me about all I could handle before I eventually would net the white and release it to fight another day.

My featherweight rod and reel, a miniature replica of conventional spinning tackle, is called ultralight, or simply UL. The mini-tackle hit the market with fanfare a few years ago, but promptly shot up and down in popularity like a July Fourth burned-out rocket. Ironically, today such tackle is being used less but enjoyed more. For those who know what it is all about, ultralight is fun tackle, making big fighters of little fish.

The key is "knowing what it is all about." When the tackle was first introduced, anglers attempted to use it as they would ordinary tackle, and they quickly became disenchanted with the results. It was difficult to cast the near-weightless lures even with 2-pound monofilament; baits were left dangling in the weeds and grass like ornaments on a Christmas tree; more fish were being lost than landed.

The tackle really wasn't at fault. It was the fishermen who were using it.

Those who stuck with it learned one important fact: ultralight is speciality tackle, designed for smaller fish (less than three pounds) in relatively open, obstruction-free water.

And thanks to improvements made in monofil, ultralight has become even more versatile. Nowadays the lines are thinner and softer, and quality 4-pound monofil works better than the stiffer 2-pound stuff it replaced. With 4-pound line it is possible to whip bass of around four pounds in open water. I've caught many up to this size, particularly in farm ponds, and had a ball doing it.

But being sporty to use is only one argument in favor of UL. It also is deadly, taking fish in quantity. Cast one of the diminutive lures, weighing from 1/8 to 1/32 ounce, into water where fish are present, and you're apt to get a strike. In any waters, be it lake or stream or pond, there are more small fish than there are big ones, and it stands to reason that smaller fish will more readily hit the tiny lures.

Last spring, while fishing a lake near my central Texas home, some friends and I found crappies concentrated in shallow water, over a sandy bottom, where they had come to spawn. It was the perfect spot for ultralight and, fortunately, I just happened to have the matchstick rod and diminutive reel along. Casting a 1/16-ounce jig, I not only caught more fish than my companions, I had much more fun doing it.

Another time John Hargis and I camped alongside Costillo Creek in northern New Mexico. This tiny stream is alive with native cutthroat trout and a "big one" might measure ten inches. A little-bitty brass spinner and my ultralight rig proved to be the right ticket for catching a mess for supper. Not only that, but on the featherweight rig the small trout put up enough of a protest to make it sporting as well.

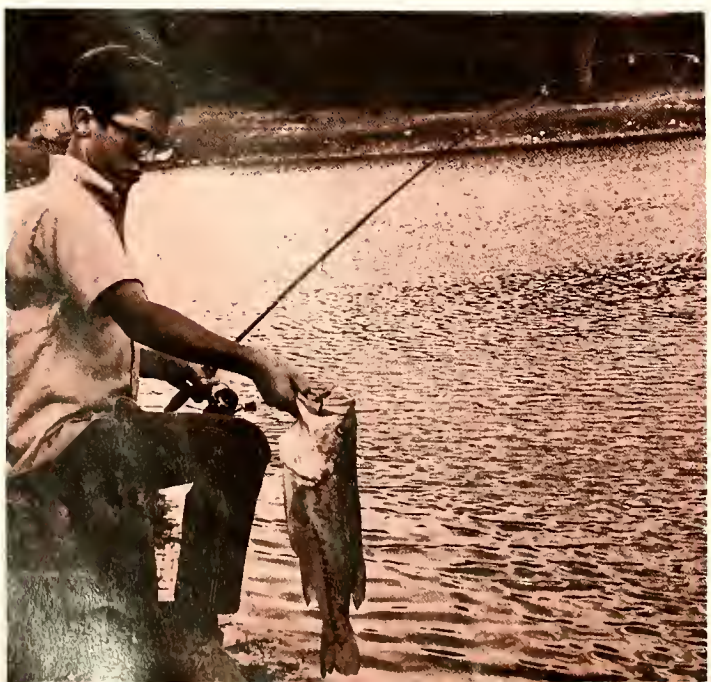
A typical UL outfit consists of a rod about five to five-and-one-half feet long which weighs between two and three ounces, and a watchfob reel of about seven ounces. I carry two spools which snap into the reel, one with 2-pound monofil, the other a 4-pound type.

I use the lighter line on species like bluegills, or maybe small white bass. Sometimes I try yearling-sized black bass, just to find if I am up to the challenge of landing even a 6-inch fish with it.

Fishing with ultralight, as you will

(Continued on Page 33)

Reed, the author's son, subdued this farm pond bass with a UL.



A featherweight rig makes big fighters out of sunfish.

Photos by Author

They Bugged out of Milwaukee.

Once, there were three girls in Milwaukee. And one by one, they went to Hollywood. In Volkswagens.

Georgia (on the right) drove out two years ago.

Marianne (on the left) was next. She rode in somebody else's VW.

And the beautiful Chris (in the middle) had just arrived two weeks ago in the Volkswagen (on the left).

We'd love to say that of the 20 million people who've switched to Champion, this has been three of them.

But we can't.

Because lots of Volkswagens have Champions installed at the factory.

And the girls had no idea how or when their cars had been given Champion Spark Plugs. ("Spark Plug? What's a spark plug?" said Marianne.)

But still, the girls did help prove our point. Champions are a great spark plug for Volkswagens.

From Milwaukee to Hollywood.

Or from wherever your Bug is, to wherever you'd like to be.

DEPENDABLE CHAMPION SPARK PLUGS

Toledo, Ohio 43601

20 million people have switched to Champion Spark Plugs.

THE CHAPTER SCOOP

news, notes, and nonsense from everywhere

by Jack Bitzer

North Kingstown, Rhode Island, Chapter sold yule logs, wreaths, corsages, and centerpieces at the school.

N-N-N

The 245 shrubs around *Adams Central* School in Indiana get "loving care." An FFA project.

N-N-N

Members of *North Hunterdon Regional* FFA in New Jersey went on a shopping spree. Bought complete Christmas dinners for two families.

N-N-N

Westbrook, Minnesota, FFA sponsored a Pork Week Contest in local grocery. Guessed the pounds the FFA pig would gain in the week.

N-N-N

100 percent of Greenhands own official jackets in *Hudson,* Iowa, Chapter.

N-N-N

"We are going to have our barn-warming ceremonies televised." **Randy Hanks,** reporter of *Lebo,* Kansas.

N-N-N

Eddyville, Iowa, bought Official FFA Calendars for local merchants. Desk style for teachers. Wallets for members.

N-N-N

Buffalo Center, Wyoming, hosted a three-hour radio broadcast. Between music, officers, and advisor told about FFA. Also had a listener "swap" show.

N-N-N

Clark, South Dakota, Chapter sponsored an FFA Poster Contest. Prizes for three best that promote FFA. Winners were put in a downtown display during FFA WEEK.

N-N-N

Jimmy Thorne reports that his chapter at *Northern Nash,* North Carolina, had a TV program for FFA WEEK.

N-N-N

Former members of *Ortonville,* Minnesota, sponsor a one-page insert called "Ortonville FFA News" in the newspaper.

N-N-N

Does your family have a planned escape route in case of fire in the home?

N-N-N

Guest list of *Oskaloosa,* Iowa, stag party included dads, Honorary Chapter Farmers, and alumni.

Denver Casto and **David Arrington,** members of *Point Pleasant,* West Virginia, were co-winners of the 1971 Tobacco Judging Contest.

N-N-N

Principal Woodrow Kinsey of *Bolivar,* Missouri, High School barbecued 55 broilers for the FFA parent night.

N-N-N

A Father and Son Trap Shoot was sponsored by *Spanish Fork,* Utah, Chapter. Members could go it alone or in team with dad.

N-N-N

Ephrata, Washington, ordered U.S. Flags to sell in their community.

N-N-N

Snow time meant snowmobile parties for many chapters. Like *Oconto,* Wisconsin; *Cedar Springs,* Michigan; *Box Elder,* Utah.

N-N-N

Morton, Illinois, FFA beat *Danvers* FFA in the big, second annual area basketball tourney. Eleven teams with advisors as coaches.

N-N-N

Here's an exhibit idea used by *La-Habra,* California, FFA. "Nature—Let It Be."

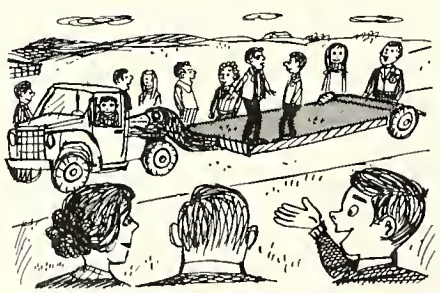
N-N-N

Walnut, Mississippi, is hard at work raising funds for a member's kidney transplant operation. They've involved the whole community.

N-N-N

Members of *Harrison County,* Kentucky, FFA who don't pay attention during chapter meetings get put on a "list." They have to sing at the next month's meeting.

N-N-N



Holdenville, Oklahoma, FFA is proud owner of blue and gold gooseneck.

N-N-N

Two football teams of *Guttenberg,* Iowa, Chapter named "National Blue" and "Corn Gold."

N-N-N

Litter barrels for community is BOAC project of *Erwin* FFA in Asheville, North Carolina.

Cakes baked by sweetheart contestants were auctioned off at a fancy price at *Wayne,* Utah, Chapter.

N-N-N

"Again this year we rented a vacant building in the city business district as a refuge from cold for shoppers. Heated building, served hot drinks, and food at our expense as public service." *Webster City,* Iowa.

N-N-N

Dayton, Oregon, Chapter sponsored a wheel chair basketball game. Proceeds for handicap fund.

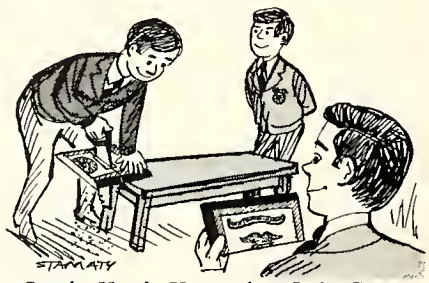
N-N-N

Four *Elma,* Washington, members spoke five minutes each at a noon Kiwanis meeting.

N-N-N

It took 2,500 handmade paper flowers to cover the sides of a *Chino,* California, FFA float.

N-N-N



Sandy Hook, Kentucky, Quiz Contest had a three-way tie. **Perry Maggard, Rocky Horton,** and **Stanley Click.**

N-N-N

Apple Blossom Chapter in Rogers, Arkansas, has junior officers who fill in.

N-N-N

Central Laramie County FFA Alumni Association is serving a civic banquet. Earning money to send a *Burns-Hillsdale,* Wyoming, FFA'er to summer conference in Washington, D.C.

N-N-N

Glencoe, Oklahoma, Chapter officers sent Christmas cards to all FFA parents.

N-N-N

A 48-hour citrus sale of *Alpena,* Michigan, FFA brought in $2,100.

N-N-N

All 32 *Superior,* Nebraska, members finished their 15-mile Walk-a-Thon for March of Dimes. Each was sponsored at 20 cents per mile.

N-N-N

Culbertson, Montana, "cleaned up" with a scrap iron drive. Made some money. And cleaned up community.

N-N-N

"Spring has sprung." Don't get the fever and forget to send us the "Scoop" about your chapter.

Ultralight, the fun tackle

(Continued from Page 30)

find, requires some finesse. Even with 4-pound line, the reel drag should be set very lightly to prevent the line from snapping should the fish make a sudden, abrupt jerk. If you want to apply more tension, perhaps to keep a fish from making into a nearby weedbed, just put your finger against the end of the spool.

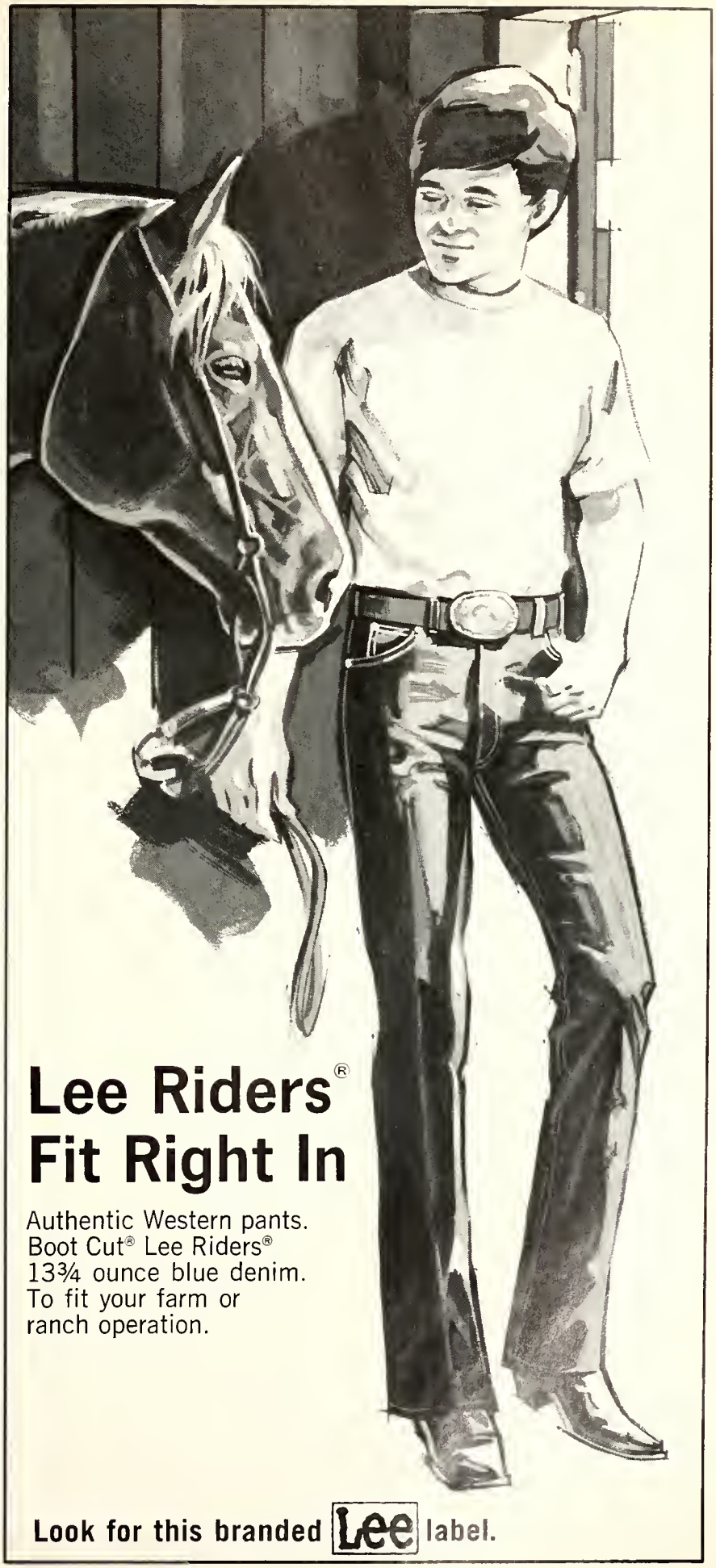
Lure hooks also must be kept sharp since a striking fish almost has to hook itself; if the angular jerks with any force, he likely will break his line.

UL also is very effective for fishing live bait. With light line a minnow, frog, grasshopper, or whatever, can be cast and fished without a sinker. Allowed to squirm lifelike in the water, live bait is quite attracting to predatory fish on the prowl for food.

One night C. H. Richey and I were fishing for white bass under lantern light, and the fish were hitting the surface just at the fringe of the illumination. We switched from our conventional tackle to ultralight, tied on No. 2 thin-wire hooks, hooked live shad in the tails, and cast them into the area. One would struggle only briefly before a ravenous white would have it.

This example gives some inkling as to how I use ultralight: as a "spare" for my conventional tackle. Seldom do I carry it and nothing else. Like most anglers, I use conventional tackle. But when the right situation presents itself, I switch to the featherweight rig, for extra fun.

White bass are sporty catches on UL.



Finding A Summer Job

It's not too early to start looking.

By Raymond Schuessler

TOWARDS the end of school some 4,000,000 youth—ages 14 through 18—begin to think about summer jobs. They wonder where to look for work for the summer vacation and what type of jobs are open.

Spring is not too early to begin looking. But don't give up easily. Many vacation jobs are not available until July.

First of all, consider the type of jobs you can do. Do you have special skill or talent such as typing, drawing, woodworking, shorthand, swimming, camp-craft, bookkeeping, a knowledge of mechanics, electricity, or plumbing? Then you should try to get a summer job that will permit you to use what you already know.

See the man who owns the corner grocery store, the attendant where your father buys his gas, or the owner of sandwich shop where your crowd hangs out. Your guidance counselor, too, may know of a summer job, and the state employment office will take your application.

Rural or Urban Jobs. The many farms surrounding a community are good sources of work such as helping in the fields or picking and packing farm products. Corn growing states have a large demand for youth to detassel corn. In most places these youth are transported to and from the fields through joint arrangements of employers, schools, and local offices of the state employment service.

In addition, large agribusiness employers seek boys of high school age for harvest work and maintain supervised camps for them on the site. Some state employment services maintain programs whereby youth are placed with selected farm families for summertime work.

Maybe you live in the city where the arrival of summer will send many full-time employees of large and small firms on vacation, thus leaving some jobs open for you. Meanwhile, other businesses will hire extra help to take care of summer trade. There may be jobs at kennels, veterinary clinics, and museums.

Occasionally hospitals hire aides and other helpers on a temporary summer basis. Many wholesale and retail firms, particularly in vacation areas, hire extra messengers and delivery boys during the summer months.

Public Recreation Jobs. Resort and amusement parks as well as refreshment stands, hire ticket takers and sellers, cashiers, counter workers, and ride attendants. Ice cream companies hire workers and packers as do soft drink manufacturers for work involved with loading and operating bottling machinery.

Parks may hire extra maintenance workers and lawn mowers to help clean up and assist gardeners. Greenhouses hire extra summer workers, and tree surgeons in larger cities employ a few assistants. Recreation centers including playgrounds, theaters, motels, lake resorts, country clubs, and golf courses hire young people for summer work.

Some students make their swimming ability pay off. They work as life guards at public pools, and a Red Cross lifesaving certificate is usually required. Others work as after-picnic pick-up men in area parks. Other young people become salad tossers, ushers, pages, painters, porters, dishwashers, coat checkers, and beauty parlor helpers.

National Park Employment. The National Park Service, Department of the Interior, Washington, D. C. publishes a statement on summer employment in the National Park Service. The publication lists the business office addresses at the national parks.

Many of the jobs in these parks, however, are for employment by concessionaires. The Department of the Interior furnishes the addresses of the concessionaires. There are jobs as guides, cooks, waitresses, nurses, bellboys, chambermaids, and salespersons in the lodgings, restaurants, and stores maintained by these concessionaires.

Camp Counselor Jobs. Camp counselors are employed in the spring. Youth with camping experience are hired to instruct children in arts and crafts, nature lore, athletics, music, dancing, and dramatics.

You might write to these organizations for openings in your section of the country:

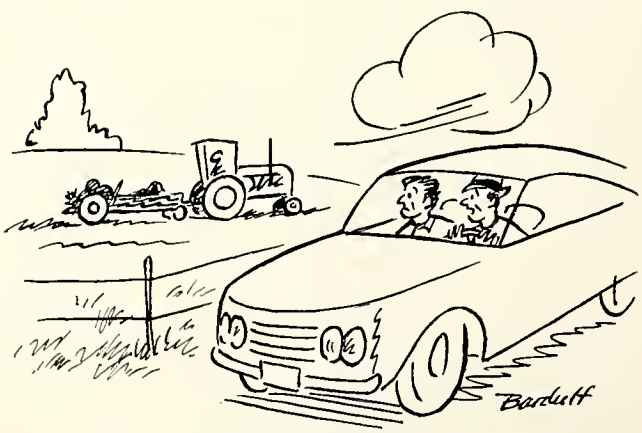
- American Camping Association, 324 Madison Avenue, New York City, New York 10017.
- Girl Scout National Headquarters, 155 East 44th Street, New York 17, New York 10017.
- Association of Private Camps, 155 West 42nd Street, New York 36, New York 10036.
- Camp Counselor Referral Bureau, 1 North State Street, Chicago 2, Illinois 60602.
- New England Camping Association, 110 Tremont Street, Boston 8, Massachusetts 02108.
- Camp Counselor Recruitment Bureau, Federation of Protestant Welfare Agencies, 251 Fourth Avenue, New York 10, New York 10003.

Other Summer Opportunities. Consider also employment as: wrappers, packers, salesboys, stockboys in retail stores; simple clerical work in stores and offices; library attendants; newspaper carriers on regular routes; car washers; helpers to mechanics and other skilled craftsmen; TV and raido repairmen; laboratory assistants; filling station attendants; telephone and telegraph operators.

Sometimes working for someone else will not answer your problem. Create a job for yourself; find out if you are the independent businessman type. Washing cars, mowing lawns (A boy I know put himself thrrough college with a lawn mower.), clipping hedges, scrubbing floors and windows, and door-to-door selling are a few of the many jobs you can get for yourself without a lot of capital.

Sell yourself, look neat, self-confident, and speak up without being brash. Find out what child-labor laws apply in your case, if any, and where to get your employment certificate if that is necessary.

Don't be discouraged if you are turned down a few times. Somewhere an employer is looking for you just as hard as you are for him, and if you keep looking you'll meet.



"He's up to date all right—even has racing stripes on his manure spreader."

THE FFA WANTS YOU!

to help build your FFA Alumni Association

It's the chance of a lifetime! Every former FFA member you help sign up by May 12—becomes a FFA Alumni "Charter Member." It'll never be possible again, because May 12 will be the official organizational meeting of the National FFA Alumni Association. After that—"Charter Members" will become history.

Membership is open to all former Active, Collegiate, and Honorary FFA or NFA members—as well as current and former professional Vocational Agricultural educators. Dues are just $4.00 per year—little more than a penny a day. And you can join for life for $100.00.

You can help write your chapter's—and your local FFA alumni's—name into history. Use the coupon below to sign up a special FFA Alumni "Charter Member."

Alumni

NATIONAL FFA
ALUMNI ASSOCIATION
P.O. Box 15058
Alexandria, Va. 22309

NAME _____

ADDRESS _____

CITY _____ STATE _____

ZIP _____ TELEPHONE _____

FFA IN ACTION

Spirit of '76

The Board of Directors and National Officers placed FFA in an active role in celebrating the Bicentennial Anniversary of the U.S.A.

White House Advisors on Youth met with representatives of all vocational

Doyle Waybright, Pennsylvania, at left; Larry Johnson, center, Georgia; Ronnie Childs, right, West Virginia; were the state officers representing FFA at a planning session for the Bicentennial.

education youth groups in November. They requested the active involvement of members of all such youth groups, including FFA, in appropriately commemorating the Bicentennial Anniversary of the U.S.A.

The involvement would include the selection and implementing of the various themes and activities relating to the "Spirit of '76." This involvement to begin immediately and continue through 1976. It is recommended that special emphasis be given to activities promoting citizenship, patriotism, the American system of free enterprise, freedom, and other foundations upon which our country was and is based.

At their January meeting, the FFA Board of Directors and National Officers accepted in principle the recommendations for FFA participation in the bicentennial celebration as set forth by the White House Advisors on Youth. These are:

1. Agree, in principle, to give emphasis to the national bicentennial in the program of youth activities in each of the pre-bicentennial years, beginning January 1, 1972.

2. Authorize the FFA staff and the National FFA Officers to proceed with plans for projects, including projects in which all vocational youth groups can participate.

3. Authorize the participation of two or three FFA members as representatives on a Youth Advisory Committee. (This committee will also include representatives of VICA, DECA, FHA, FBLA, and OEA.)

4. Agree, in principle, to commit resources and to establish priorities in relation to specific recommendations of the Youth Advisory Committee.

To start the action, a meeting of the Youth Advisory Committee for Vocational Education met in Washington, D.C., February 2-4. The FFA was represented at the meeting by three state officers. Another meeting of the committee is scheduled for May and present plans are for FFA to be represented by two national officers and one state association officer.

The Blind "See"

A cow in the classroom; or a pig on the playground. It really happened for 42 children of the Indiana State School for the Blind and for members of the New Palestine, Indiana, FFA.

Idea for the project came from the Young McDonald's farm exhibit at the state fair. Mr. Robert Kuhn, of the school service staff, thought it would be an educational experience for the kindergarten class of the school to know the animals.

The first animal taken was a calf, followed each week by a lamb, baby pigs, chickens, ducks, rabbits, and finally a cow. When weather permitted the FFA'ers took the animals to the playground. In case of rain, everything went inside (including the cow who, although taken straight from the barn, was well mannered).

The school children enjoyed the visits immensely, as they became acquainted with the farm animals. However, the effect on the different FFA members who brought in the animals was even greater. All the boys were impressed with the perception, courage, and friendliness of the kindergarten children.

FFA members "saw" as much as the kids who depended on touching the animals in order to know what they were like.

New Palestine FFA members set up a schedule where they would take one or two animals per week to visit the school. Their principal Mr. Robert Kelso arranged for two boys to leave in the morning and return later to finish school.

The members reported, "We were asked all kinds of questions. Some we could answer, some we could only say that's the way God made them."

After the farm visits, which were weekly from October to November, the FFA members felt something more could be done. Junior members Mark Galloway and Bob Walters brought up the idea of a Christmas stocking for each of the children in the kindergarten class. The members dug into the treasury and prior to Christmas vacation presented stockings to the children.

The FFA members felt that the early hours, loading and unloading, and thousands of questions to be answered were worthwhile. "It made us feel good all over and appreciate what we have." *(William V. Davis, Advisor)*

Washington Conferences

Four week-long National FFA Washington Conferences will be held this summer for FFA officers, award winners, and advisors. Any officer or representative selected by his chapter advisor is eligible to attend.

Dates for the 1972 conference sessions are: June 19-24; June 26-July 1; July 10-15; July 17-22. Each conference week will begin at 8 p.m. on Monday and end at 8 a.m. on the following Saturday. The Olde Colony Motor Lodge in Alexandria, Virginia, will serve as conference headquarters for FFA members while in Washington.

Participants will see the National FFA Center facilities and talk with FFA Supply Service, *The National FUTURE FARMER,* and Program Development personnel. To further develop their leadership skills, conference participants will discover new ideas for chapter action—including fund raising, public relations, community development —and the use of state and national FFA services.

Local FFA leaders will have the opportunity to meet with U.S. senators and representatives, national FFA officers, and prominent agricultural

leaders. They will also see special programs and visit historical sights and memorials in the Nation's Capitol.

Approximately $98.00 will cover all conference expenses and travel while in Washington. Travel to and from Washington is the responsibility of the chapter, state, or individual. Many state and local groups will share cross-country travel.

Applications must be signed by your advisor and submitted by June 1 along with a $20.00 deposit. Application forms and further information on the conferences are available from the National FFA Center, P.O. Box 15160, Alexandria, Virginia 22309.

FFA Conference Sponsored

The annual State FFA Presidents Leadership Conference scheduled for July 23-29, 1972, will be sponsored by General Motors Corporation of Detroit, Michigan. This will be the fourth consecutive holding of the FFA officer conference, but the first time it will be under sponsorship.

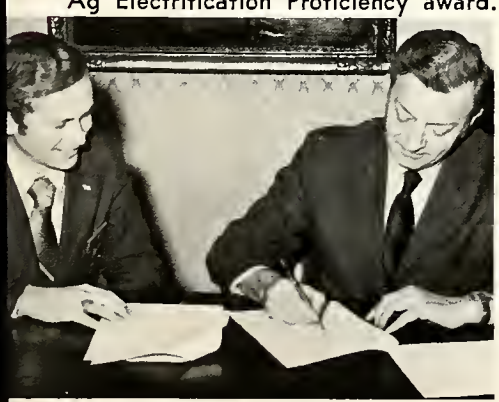
The conference program is developed by the National FFA Organization to prepare state officers for their responsibilities. Besides participating in FFA leadership training activities the officers will be exposed to the heritage of our country through visits to historic places in Washington, D.C. A highlight of the week will be an opportunity for officers to meet their congressmen and senators as well as other government leaders on their visits to Capitol Hill.

General Motors Corporation signed an agreement with the National FFA Foundation, Inc. as a special project sponsor. The funds will offset expenses for state officers traveling to Washington, D.C., and will pay their living expenses during their week-long stay in the Nation's Capitol.

Sponsor for Electrification

Sponsorship of the FFA Agricultural Electrification Proficiency award by the Electric Energy Association (EEA) was recently announced by the National FFA Foundation, Inc. The signing of an agreement by Electric Energy Association President John H. K. Shannahan was done at EEA headquarters in New York City with National FFA President Tim Burke.

FFA President Tim Burke and President of Electric Energy Association sign an agreement for EEA to sponsor the FFA Ag Electrification Proficiency award.



The Agricultural Electrification Proficiency award is presented at local, state, and national levels to FFA members who have demonstrated significant achievement in educational and work activities in the application of electricity to agricultural and home use.

According to Mr. Shannahan, Electric Energy Association's goal is to encourage the application of electric energy to tasks that will continue to improve living standards of the nation and all society. "It is for this reason that we are proud to have an opportunity to sponsor the FFA Agricultural Electrification Proficiency award," he said. "We are certain that this educational activity which encourages students to learn about the application of electricity in the home and on the farm will benefit youth and will help our association achieve its goal."

As sponsor of the award program, the Electric Energy Association will provide funds for certificates, plaques and cash awards as well as underwriting some administrative costs of the FFA Agricultural Electrification Proficiency award program.

Tournament for Fun

Delta, California, Chapter organized a basketball tournament for other FFA teams in their section.

A tournament committee headed by Manual Alejandrez made arrangements for facilities. Participating chapters included: Fairfield, Amador, Rio Vista, Woodland, Woodland Junior, and Delta.

Girl members played too. Tourney rules called for one girl to play at all times. Referees were advisors from Delta. Admission was free and refreshments were sold by the GAA.

A first place trophy was won by Delta Chapter. Rio Vista placed second. Amador received the third place award and Fairfield took fourth place. *(Mike Meacham, Reporter)*

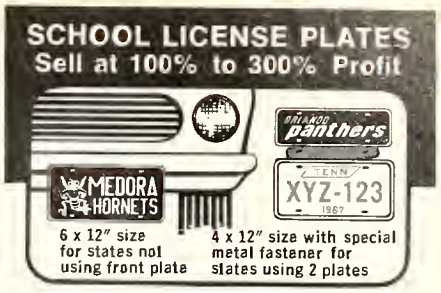
Push for Safety

The Muskogee Chapter of Oklahoma Young Farmers Organization sponsored the second annual tractor safety school and contest for all FFA and 4-H members in Muskogee County.

The purpose of the tractor school and contest is to instill safety in the minds of farm youth in order to eliminate the numerous farm accidents that occur each year.

The school began with a talk by

(Continued on Page 38)


SCHOOL LICENSE PLATES
Sell at 100% to 300% Profit
MEDORA HORNETS
panthers
XYZ-123
6 x 12" size for states not using front plate
4 x 12" size with special metal fastener for states using 2 plates

Write for FREE catalog and sample of our work

QUALITY PRODUCTS, INC. P. O. Box 564-FA Columbus, Miss. 39701

1¢ SALE
GUARANTEED 10 YEARS
The knife for hunting, fishing and all around use. Mirror polished, imported stainless steel blade honed to a razor's edge. Rugged. Opens with flick of finger. Locks into position. Blade will not close when in use. Press button in handle to close. Safety finger guard. Sure-grip handle. Balanced for target throwing. IF BROKEN WITHIN 10 YEARS WE WILL REPLACE AT NO CHARGE! Use 30 days. Money back if not pleased. Special 1c Sale. REG. PRICE $1.98. Send $1.99 & receive 2 knives. Add 49c postage, handling. Remit TOTAL $2.48 for 2 knives. ORDER NOW! Midwest Knife Co., 9043 S. Western Ave., Dept. DD-1836, Chicago, Ill. 60620. Est. 1936

1973 CALENDARS —

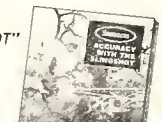
A proven media to advertise and promote a product.

Try it in '73 for your chapter. Send for a FREE Official FFA Calendar Kit, P.O. Box 15130, Alexandria, Virginia, 22309.

DROP SMALL GAME, RATS, ETC. WITH RIFLE PRECISION!
New Falcon II
HUNTING SLING
WRIST-LOCK BRACE makes the difference! Steadies grip... allows you to put more speed and power into shots.
MOLDED 1-PIECE POUCH—cupped design centers ammo for accuracy, clean release, straighter faster flight.
LONGLIFE TUBULAR POWER BANDS
TAKE-APART CONSTRUCTION makes transporting easier.
most powerful slingshot made!
ONLY $4.00
SATISFACTION OR MONEY BACK
PAT. APPLIED FOR
Develop accuracy in just a few tries— amaze Dad and your pals. Have target fun! An inexpensive, efficient weapon for rodent eradication. Real sport!

SEND 25c FOR BOOKLET "ACCURACY WITH THE SLINGSHOT"

Makes it easy to score bullseyes time after time after a few hours practice. How to build targets. Slingshot games. Hunting tips to help you get in close. Your Falcon is more fun day after day.



Enclosed is $_____ Please send:

☐_____Falcon II(s) @ $4.00 each, postage paid (includes booklet free).

☐_____"Accuracy With The Slingshot" booklet(s) @ 25c each, postage paid.

Name_____

Address_____

City_____

State_____ Zip_____

Our 31st Year in the Sporting Goods Business

SAUNDERS ARCHERY CO., COLUMBUS, NE 68601

The People Who Brought You The "Saunders" Wrist-Rocket

FFA in Action

(Continued from Page 37)

Oklahoma Highway Patrol Trooper Lee Ivy about highway tractor safety.

A demonstration concerning tractor safety, using model tractors with remote control, was presented by Mr. Ervin Heidbrecht, Assistant Safety Director for the Oklahoma Farm Bureau.

All students were given a written examination and were given the opportunity to drive tractors under the supervision of Young Farmer members. However, only the top ten scoring individuals on the written test were graded on their driving ability and safety.

Lunch was provided to participants by the county Farm Bureau, and tractors were furnished by local dealers.

Muskogee County Farmers Union provided three trophies for the top three scoring individuals. Winners of the contest were Joel Boyer, first; Dan Hix, second; and Don Hendrix, third. Joel and Dan are members of the Muskogee FFA and Don is a Ft. Gibson FFA'er. *(Wendell Fenton, Advisor)*

304 Bushel Champion

Mark Ide, Creston, Iowa, with Advisor Hunsicker, right, accept a trophy for the chapter's 245.7 bushel corn yield from president of Funk Bros. Seed Co.

Dairy Proficiency Backer

The National FFA Foundation, Inc., has signed a memorandum of understanding for sponsorship of the Dairy Production Proficiency award by the Celanese Chemical Company. The agreement was signed at Celanese headquarters in New York by Robert L. Mitchell, Celanese Chemical president, and National President Tim Burke.

The Dairy Production Proficiency award is one of 15 FFA proficiency award programs recognizing achievement in activities leading to careers in agriculture. The award is presented at local, state, and national levels to FFA members who have demonstrated significant accomplishment in educational and work experience activities leading to a career in the dairy industry.

"We're delighted to have this opportunity to sponsor an educational activity of this magnitude," said Mr. Mitchell in a brief statement prior to signing the agreement. "We are optimistic about the future of this nation largely because of the caliber of young men and women in organizations like the FFA. Agriculture needs knowledgeable producers and strong leaders. We hope that through our support of this Dairy Production Proficiency award program we will be doing our share to provide the leadership needed in the industry in years ahead."

As sponsors of the FFA Dairy Production Proficiency award, Celanese Chemical Company will provide funds for the 1971-72 awards program of certificates, plaques, and cash awards, as well as underwriting some of the administrative costs of the program.

President of Celanese Chemical signs the agreement for his firm to sponsor the FFA Dairy Proficiency award. Your National Officers represented the FFA.

School Broadcasters

The Eisenhower, Washington, FFA chapter in Yakima has taken over operation of the campus radio station this year. The station, KEHS (K EISENHOWER HIGH SCHOOL) is a closed circuit operation which serves the student body by broadcasting into the cafeteria during its heaviest use. Broadcast times are before and after school, and during both lunch periods.

Four of the chapter's officers and another member operate the station at these specific times. President Bruce Grass works as a disk jockey, Vice-President John Griffin is station manager, Treasurer Tom Cox is sales director, Sentinel Gerald Herley is music director, and member Les Heimgartner is program director. The manager and directors also double as disk jockies.

John Griffin had worked on the station for two years and suggested the chapter take over the campus station. It was floundering due to a lack of funds. John sold the idea and involved the chapter members in the radio station.

The chapter has acquired nearly $1,500 in equipment including amplifiers, turntables, a reel to reel tape recorder/player, a cassette recorder/player, a microphone, speakers, control panel, pre-amp, and radio "desk" which houses all of the equipment.

The station is gradually becoming self-supporting by selling commercial announcements to area business firms. Thus far they have five sponsors. The income is used for upkeep of equipment, broadcast materials, new equipment, and other chapter projects.

The staff of KEHS studied the materials necessary for their Federal Communications Commission (FCC) third class radio-telephone operators license with a broadcast endorsement. They need only to apply to the Seattle office

CARTOON CAPTION CONTEST

Ever try to caption a cartoon? Here is your chance. Just find a caption for this cartoon in this issue of *The National FUTURE FARMER*. You must clip the word or words you choose, paste on a postcard, and give the page number from which you clipped the caption. Your caption may consist of as many **consecutive** words or lines as you think necessary. In case of duplicates, the one with the earliest postmark will be considered. Entries will be judged by the staff of *The National FUTURE FARMER* and their decision is final. Contest closes April 24, 1972. Winners will be announced in the June-July 1972, issue.

PRIZES: First $15.00, Second $10.00, Third $5.00, plus eight honorable mention prizes of a binder to hold your copies of *The National FUTURE FARMER*. Send Entries To: Cartoon Caption Contest, *The National FUTURE FARMER*, Box 15130, Alexandria, Virginia 22309.

of the FCC to take a small exam. Upon successful completion of the exam they will be issued their license, which will allow them to accept jobs at regular broadcast stations.

The station is sponsored by the chapter with the hope of developing an agricultural communications project. The administration of Eisenhower, the advisors of the chapter, and members involved feel they are developing agricultural communications skills. *(Bob Heimgartner, Jerry Marshall, Advisors)*

Seven Gold Emblems

Officers of Housatonic Valley Chapter in Connecticut received a plaque from State Advisor Turner in honor of the chapter's seventh Gold Emblem award.

Regional Conferences

State officers from Virginia, West Virginia, New Jersey, Pennsylvania, Maryland, and Delaware participated in the first of eight Regional State FFA Officer Conferences to be held this year. The officers met at the National FFA Center in Alexandria, Virginia, on January 21 to 23.

The officers participated in group discussions and prepared short demonstrations. Both activities involved officers in: talking formally and informally; communicating by phone and letter; TV and radio interviews. Each officer had opportunity of making formal introductions and conducting meetings.

In a public speaking workshop led by the National FFA Officers, the state officers learned some new public speaking techniques. Following group discussions each attendant prepared and gave a 5- to 8-minute speech which was later evaluated.

Discussions centered around the use of national FFA programs and ways for increasing membership in the FFA. The conference program also included a banquet program and vespers service.

The upcoming seven Regional Conferences will occur in June, July, and August. For the exact date and place of your conference consult this issue's "Calendar of Events."

Members profit from hardy discussions and exchanging ideas during sessions.

Tractor Driving Winner

Neil Lanning, Eagle Point, Oregon, is all smiles after winning the tractor driving contest at state fair. Sherrie Twigg presented the Farm Bureau trophy.

Flower Arranging Show

Ornamental horticulture students at Douglas County, Georgia, put their skills in flower arrangement to a test last summer when they held a flower show in the school library.

"Flowers for All Occasions" was the title of their show, coordinated by teacher of agriculture, Charles Griner. The show, which was judged by Mr. Ike Maddox, was divided into two divisions—arrangements with six classes and corsages with two classes.

Blue, red, and white ribbons were awarded in all classes. The tri-color ribbon, which carried with it a $5.00 award, was given to Arthur Grant for the most outstanding arrangement.

Cheryl Rice earned the sweepstake ribbon and $10.00 for scoring the most points in the show. A blue ribbon ar-

(Continued on Page 40)

SUFFOLKS—THE SUCCESSFUL ONES
Suffolks produce large lambs, frequently have multiple births, lambs grow faster. For information:
NATIONAL SUFFOLK SHEEP ASSOCIATION
BOX 324 F, COLUMBIA, MO. 65201

CHEVIOTS have what it takes:
- To survive lambing hazards;
- To develop desirable carcass weights on milk and grass alone;
- To import these qualities to less fortunate breeds through crossing.

Write today for interesting free booklet.
American Cheviot Sheep Society
Box 18, Lafayette Hill, Pa. 19444

HAMPSHIRES...
For Uniformity, Docility, Quality and a money making breed use Hampshires. Write for information.
The American Hampshire Sheep Assn.
Stuart, Iowa 50250 Telephone: (515) 523-1486

FREE To You
Train your own horse. Teach him to stand untied, gait, trailer load, barrel race, and do tricks—our course in horsemanship has a thousand pages of great ideas. Free information on the course will be sent to all who inquire. Write
AMERICAN HORSEMANSHIP INC.
Nebo, Illinois 62355

FOR all Official
FFA
MERCHANDISE

SEE YOUR
CHAPTER CATALOGUE
ORDER FROM
FUTURE FARMERS
SUPPLY SERVICE
P.O. Box 15159
Alexandria, Va. 22309
Owned and operated by the
Future Farmers of America

FFA in Action

(Continued from Page 39)

Cheryl Rice won sweepstakes award and Arthur Grant, right, best arrangement in the flower show for their chapter.

rangement scored three points; red, two points; and white, one point.

In the arrangements division Class I was New Birth, for the birth of a baby; Class II was June Bride, for a wedding reception table; Class III was Summer Fun, for an outdoor barbecue; Class IV was Banquet Feast, for a small banquet table; Class V was Birthday Splendor, for a child's birthday party; Class VI was Hospital Cheer, fresh flowers for a patient's room.

The division of corsages was divided into two classes, orchid corsages and carnation corsages. *(Eleanor Gilmer)*

Foundation Contributions

Contributions to the National FFA Foundation reached an all time high in 1971, according to Mr. Donald McDowell, executive director of the FFA Foundation Sponsoring Committee. Mr. McDowell reported to the Board of Directors and the National Officers in January that a total of 636 sponsors contributed $335,225 during the year. The number of new sponsors totaled 202 for the year.

The chairman of the Foundation Sponsoring Committee for 1971 was Mr. Fred Stines, publisher of *Successful Farming Magazine,* Des Moines, Iowa. As the immediate past chairman, Mr. Stines is now serving a one-year term on the Sponsors' Executive Council and the Foundation Board of Trustees.

The current chairman of the FFA Foundation Sponsoring Committee is Mr. John Streetman, vice president of Allied Mills, Inc., Chicago. As chairman, it will be Mr. Streetman's responsibility to head a fund raising campaign for the purpose of providing incentive awards for FFA members.

The FFA Foundation provides funds for an awards program which is quite broad and varies from medals in the chapter to cash awards at the state and national levels. Some of the better known awards are the proficiency awards, the public speaking and national judging contests, and the Star Farmer and Star Agribusinessman of America awards given each year at the National FFA Convention.

Youngest Delegate

A former national FFA officer has become the youngest member now serving in the West Virginia legislature. He is James W. Teets, 27, of Terra Alta, who has just been appointed by Governor Arch Moore to fill a vacancy to the House of Delegates from Preston County.

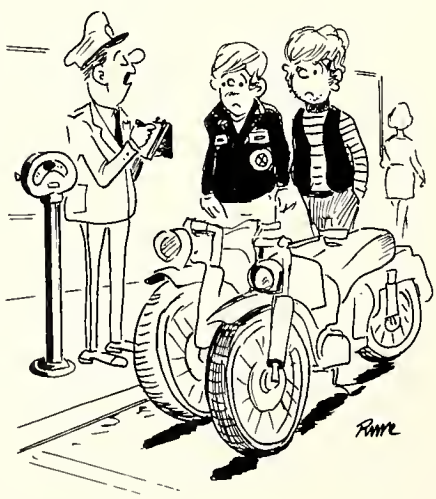
As an FFA member, Jim was selected State Farmer and was awarded the American Farmer Degree. He served as national vice president in 1963-64 and has a bachelor of science degree in agriculture. He currently operates an automobile supply business in Kingwood.

Guarding Their Trees

The Oxford, Pennsylvania, Chapter cooperated with the Chester-Octorara Water Authority to protect the watershed from Christmas tree snatchers.

Various types and sizes of evergreen trees are planted around Octorara Lake. FFA members hoped to prevent people from taking the trees or cutting greens. If they saw anyone, they took down name, address, and license number.

Juniors and seniors of the chapter had two different stations around the lake where they patrolled the watershed. They worked in pairs, one car per station in three hour shifts. *(Wayne Stanton, Secretary)*



"Which one of you gets the ticket?"

Livestock Judging Funded

Ralston Purina Company will sponsor the National FFA Livestock Judging Contest this year. Signing the agreement as National FFA Officers watched is Mr. W. T. Lane, corporate vice president and director of Chow Division.

Calendar of Events

October 11-13—National FFA Convention
Kansas City, Missouri

National FFA Conferences

Washington, D. C.—Alexandria, Virginia
June 19-24, June 26-July 1, July 10-15, July 17-22—Chapter Representatives
July 23-29—State Presidents

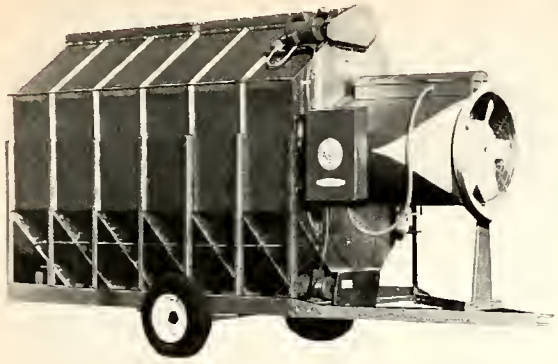
Regional Leadership Conferences

June 26-29—Tennessee-Doyle
June 27-29—Missouri-Kansas City
June 27-29—Arizona-Flagstaff
June 27-July 1—Alabama-Mobile
August 2-5—Georgia-Covington
August 7-9—Vermont

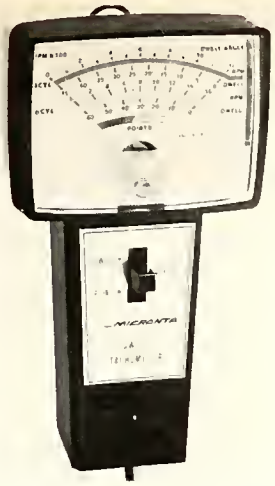
State FFA Conventions

May 1-2—Nevada-Reno
May 3-5—California-San Luis Obispo
May 3-5—Tennessee-Nashville
May 4-5—New Hampshire-Colebrook
May 4-6—New York-Sherburne
May 8-12—Puerto Rico-San Juan
May 18-20—Vermont-Burlington
May 30-June 1—Kansas-Manhattan
May 30-June 1—Mississippi-State College
May 31-June 2—Arkansas-Hot Springs
June 4-6—Colorado-Fruita
June 4-6—New Mexico-Albuquerque
June 6-8—South Carolina-Clemson
June 6-9—Louisiana-Baton Rouge
June 6-9—North Dakota-Fargo
June 6-10—Alabama-Montgomery
June 7-9—Kentucky-Louisville
June 7-9—North Carolina-Raleigh
June 10-15—Washington-Pullman
June 12-14—Wisconsin-Green Lake
June 12-15—Virginia-Blacksburg
June 12-16—Florida-Daytona Beach
June 13-15—Illinois-Urbana
June 19-21—Maryland-College Park
June 20-21—Maine-Orono
June 20-22—Indiana-West Lafayette
June 22-23—New Jersey
June 26-27—Connecticut-Berlin
June 28-30—Pennsylvania-University Park

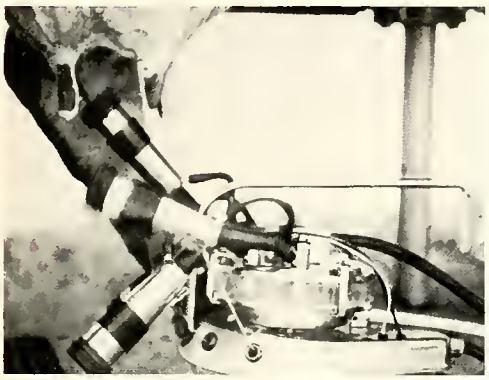
State conventions held later will appear in future issues.



The new Model AB-12B grain dryer by Farm Fans, Indianapolis, Indiana, features uninterrupted sequence of loading, drying, cooling, and unloading. It can dry and cool 3960 bushels from 25 percent to 15 percent moisture in 24 hours. The unit has an electric ignition and automatic shutdown.



The new three-in-one hand Micronta Dwell Tachometer checks dwell angle, engine speed, and ignition points. It can be obtained from Radio Shack, Fort Worth, Texas for $17.95.



Babson Bros. will make their new Surge Quarter Take-Off milker available on a limited basis in 1972. Individual electrodes sense when the milk flow ceases, activating a pneumatic cylinder which pulls down the individual teat cup and shuts off the inflation vacuum.

Something New

The new Model L-35 utility loader manufactured by New Holland features eight buckets, including a cement bucket, a nine-tine manure fork, a loose materials bucket, and a two-tine pallet fork. The L-35 accepts a front mounted blade with a reversible cutting edge and a standard Davis backhoe with four buckets.

SEND FOR THIS FREE!

Know how to break and train horses and ponies—make good money doing it. Write, today for this instructive **FREE** booklet plus a special offer of a course in Animal Breeding. Tell us if you are interested in Gaiting and Riding the saddle horse.

BEERY SCHOOL OF HORSEMANSHIP
2024 Pleasant Hill, Ohio 45359

DAIRY AND BEEF CALVES

2 to 14 weeks old. All calves ages checked by veterinarian. Delivered directly to your farm, subject to your approval on arrival. You must take 25 head or more. Finest quality, best selection. Prices include free delivery.

Holstein Bull Calves		Holstein Heifers	
Two weeks old	$ 55.00	Two weeks old	$ 65.00
Four weeks old	65.00	Four weeks old	75.00
Six weeks old	75.00	Six weeks old	85.00
Eight weeks old	85.00	Eight weeks old	95.00
Ten weeks old	100.00	Ten weeks old	105.00
12 to 14 weeks old	125.00	12 to 14 weeks old	125.00
Angus Holstein Cross Calves. Your choice of Heifers or Bulls		Guernsey Heifers each less than Holstein Heifers	$10.00
Two weeks old	$ 65.00		
Four weeks old	75.00	FREE ILLUSTRATED BOOKLET ON THE ART OF CALF RAISING AND CARE WITH YOUR ORDER.	
Six weeks old	85.00		
Eight weeks old	95.00		
Ten weeks old	105.00		
12 to 14 weeks old	125.00		

Collect calls accepted on definite orders only.
Ask for Bill or Wayne.

BILL NOLAN LIVESTOCK, INC.
BONDUEL, WIS. 54107
Phone Area Code 715 758-8484

2 for 1 WAREHOUSE CLEARANCE SALE
©MCMLXIX Viking

TWO FOR $1.98 $3.96 VALUE 10 Year Guarantee
TWO FOR THE PRICE OF ONE

Razor sharp lifetime steel blade opens easily and automatically locks in place. PUSH-BUTTON release. Tough, razor steel blade honed and polished to mirror-like finish. Balanced for target throwing. Legal size. Blade GUARANTEED 10 YEARS. If blade breaks we replace free. 30-day MONEY BACK GUARANTEE. A favorite with sportsmen. Priced for quick sale of 200,000 knives. Makes excellent gift for man or boy. Two for $1.98 plus 50c shipping. Send cash, ck. or M.O. to VIKING KNIVES, Dept. K-132, Box 10880, Houston, Tex. 77018.

FFA Promotional Items

FFA WEEK items which were designed for year round use are still available. Litterbags; Name Badges; Radio Spots; Banquet Programs; Envelope Stuffers; and Seals can be ordered from: FFA Supply Service, P.O. Box 15159, Alexandria, Virginia 22309.

Change of Address

If you are moving, please let us know promptly so you will continue to receive your magazine without interruption. Fill in your new address below and mail it with the address label (Attach below.) from the last issue of your mogozine.

To Subscribe

Keep *The National FUTURE FARMER* coming—even after you are out of high school. Fill in your name and address below and mail this form with your payment. Enclose $1.00 for each year you wish to subscribe. If you are renewing your subscription, attach address label from your last magazine.

Attach address label from your last magazine here!

This is a (check below)
_____Subscription order
_____Change of address

Mail To:
The National FUTURE FARMER
P.O. Box 15130
Alexandria, Virginia 22309

Name_____

Route_____

Box No._____

City_____

State_____ Zip Code_____

HAVE YOU HEARD THIS ONE

A young man approached the counter where greeting cards were sold.

"Have you anything sentimental?"

"Here's a lovely one," said the saleslgirl. *" 'To the only girl I ever loved.' "*

"That's fine," said the young man. *"I'll take four."*

Anita Stuever
Capac, Michigan

"He was making a favorable impression—Right up until the time he said, 'Take it easy Old Timer!' "

What do you call a cow that hasn't been milked in a month, and weighs 440 pounds?

Four-forty with four on the floor.

Ava Barnard
Slaughter, Louisiana

Dad: *"How far were you from the right answer on the test?"*

Son: *"Just two seats."*

Dean Bruce
Culloden, West Virginia

Policeman: *"When I saw you driving by I said to myself, 55 at least."*

Woman Motorist: *"Well, that's not right. This hat makes me look older."*

Steven Korbisch
Birnamwood, Wisconsin

A boy in kindergarten was learning the kinds of colors and how to pronounce them. The teacher said "red" and the girl in front of him said "red."

The teacher pointed to him and said "yellow." The boy said "Oh!"

The teacher asked what was the matter and the boy said, "You asked me to yell—Oh."

Thomas Tuck
Pembroke, North Carolina

Joe: *"Why'd you stop going steady with Lisa?"*

Larry: *"She got her heart set on being a school teacher, and when I didn't show up the other night, she asked me to bring a written excuse signed by my mother."*

Chuck Schany
West Bend, Iowa

Girl Driver (after narrow escape): *"I had the right of way, didn't I?"*

Boyfriend: *"You did, but the other fellow had the truck."*

Monica Schany
West Bend, Iowa

Girl's Father: *"Young man, in this house we turn out the light at 10:30."*

Boyfriend: *"Gee, that's nice of you."*

Alvin Phillips
Marshall, Texas

A neighbor of ours was quite disappointed when drouth and insects killed all of his garden plants. In fact, he only harvested one beet! Walking away he said, *"Well that beet's all."*

Jimmy Thorne
Battleboro, North Carolina

Do you know why the cowboy wore bluejean shorts to the rodeo?

He wanted to show off his calves.

Perry Carter
Mineral Wells, Texas

Neighbor: *"Why did you name your cow Lightning?"*

Farmer: *"We used to call her Daisy —until we tried to milk her."* (Rubbing his swollen knee). *"Changed it to Lightning because she never strikes twice in the same place."*

Norma Bontrager
Goshen, India.ia

Wrangler: *"What kind of saddle do you want—one with a horn or not?"*

Dude: *"One without, I guess. Not much traffic around here."*

Dwayne Lake
East Dublin, Georgia

Timmy: *"Dad, when I grow up I want to drive an Army tank."*

Father: *"Well, son, if that's what you want to do, I won't ever stand in your way!"*

Wallace Massey
Thomson, Georgia

Joe: *"Did you know they're making frozen Band-Aids?"*

Jerry: *"Really? What for?"*

Joe: *"For cold cuts!"*

Linda Johnston
Arkadelphia, Arkansas

There's a new story about the lady who wanted to be especially beautiful for a party. She teased her hair so much that it attacked her.

Tim Sigurdsen
Grasston, Minnesota

What do you call a scared skindiver?

Chicken of the sea!

Cindy Stelpflug
Lancaster, Wisconsin

Professor: *"Rephrase the sentence, 'He was bent on seeing her.' "*

Boy: *"The sight of her doubled him up."*

Mike Bonnema
Steen, Minnesota

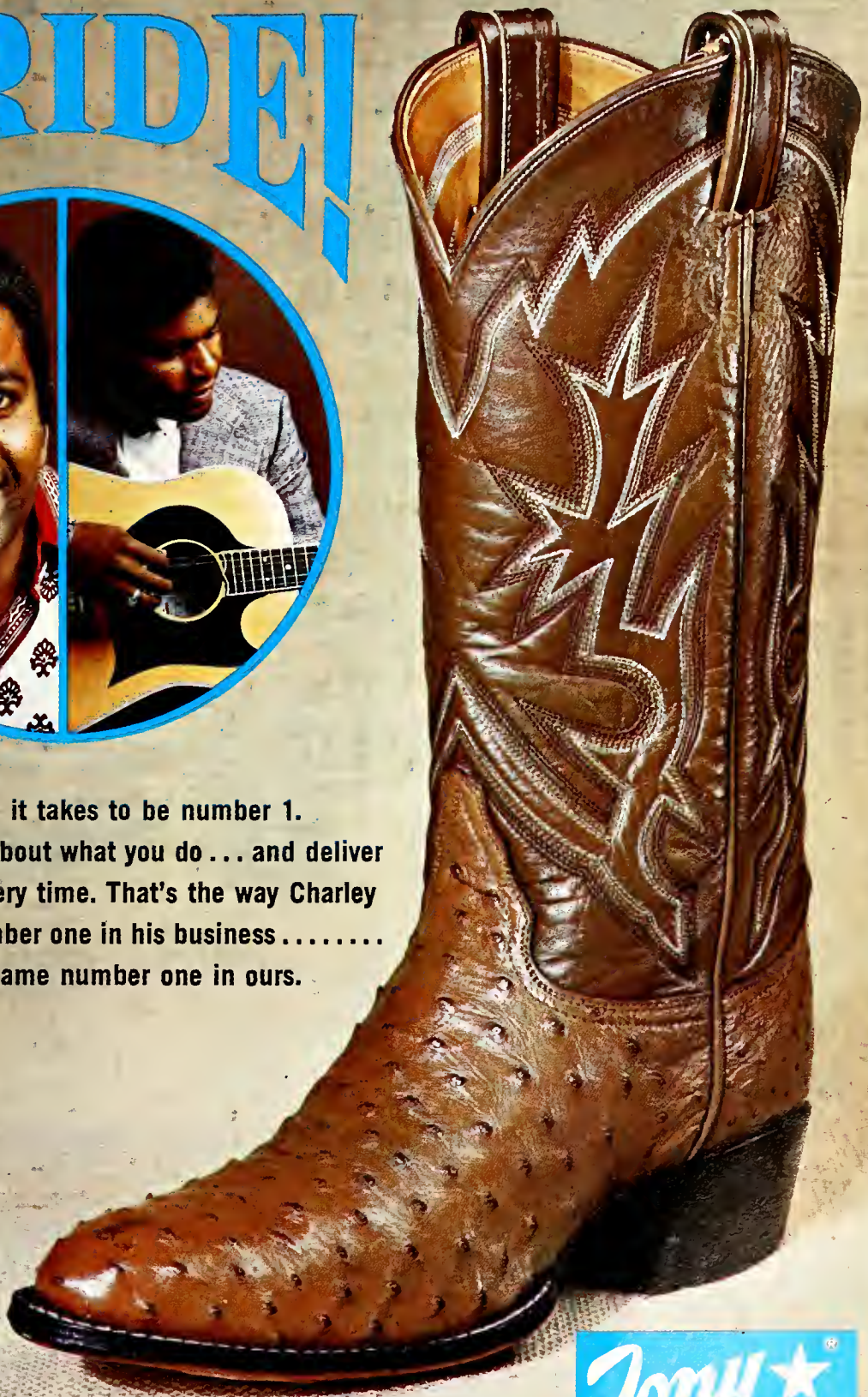
Charlie, the Greenhand

"Wow!—And I complain about the cost of feeding my livestock."

The National FUTURE FARMER *will pay $1.00 for each joke selected for publication on this page. Jokes must be submitted on post cards addressed to the National* FUTURE FARMER, *Alexandria, Virginia 22309. In case of duplication, payment will be made for the first one received. Contributions cannot be acknowledged or returned.*

PRIDE!

That's what it takes to be number 1.
You have to care about what you do . . . and deliver with your best every time. That's the way Charley Pride became number one in his business . . . . . and we became number one in ours.

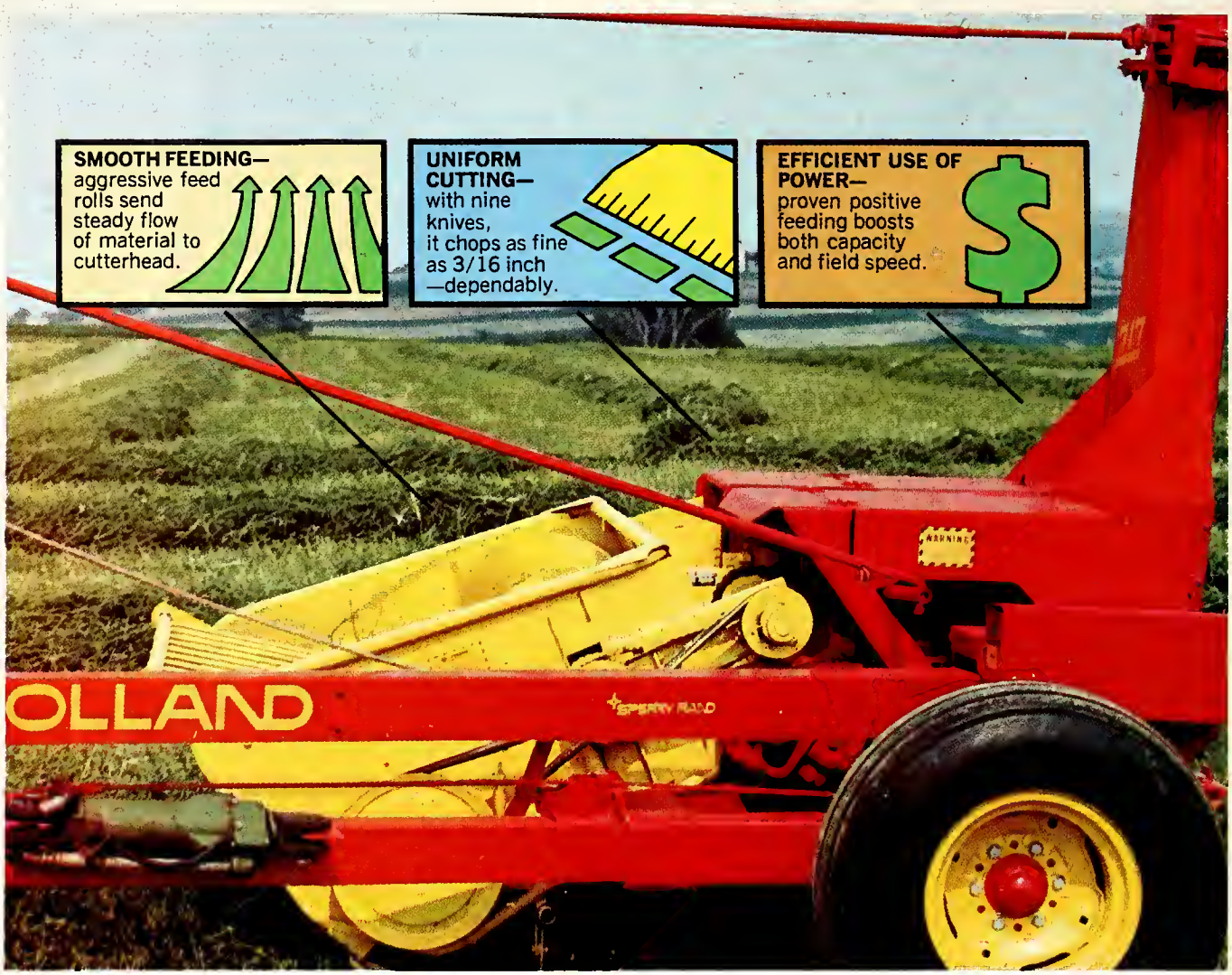


FIND US UNDER BOOTS IN THE YELLOW PAGES IN MANY STATES

STOCK NO. 8085 NATURAL FULL QUILL OSTRICH

OR WRITE FOR THE NAME OF YOUR NEAREST DEALER.
1137 TONY LAMA ST., EL PASO, TEXAS 79915

Tony Lama® CO., INC.


SMOOTH FEEDING—
aggressive feed rolls send steady flow of material to cutterhead.
UNIFORM CUTTING—
with nine knives, it chops as fine as 3/16 inch —dependably.
EFFICIENT USE OF POWER—
proven positive feeding boosts both capacity and field speed.
OLLAND
SPERRY RAND

Be sure to see the full line of New Holland system-mated forage-handling equipment.

The Inside Story of the country's best seller.

The New Holland Super 717 is a pretty remarkable forage harvester.

Out in front the Super-Sweep pickup features closely spaced teeth that get the short, fine cuttings that often slip past ordinary pickups. You miss less, chop more. (It's not likely, but if plugging occurs and you reverse the feed rolls, the pickup also reverses—for fast, easy clean-out.)

Doing the chopping is a cutterhead that's big and powerful. A built-in knife sharpener makes it easy for you to keep the blades at their bevel-edged-best that means peak tons-per-hour performance.

New Reversible Knives. Best of all, the Super 717 has knives that can be turned around and used again—just when you'd be replacing them on any other cutterhead! Nobody but New Holland has these double-edged blades. Just ask your New Holland dealer to see-"the knives with two lives" and he'll know what you mean.

The fact is, the closer you look, the more you'll like the Super 717.

This is one best-seller that won't be spending much time on the shelf, that's for sure.

SPERRY RAND

NEW HOLLAND

Practical in design · dependable in action